



# NFAT5 Mouse mAb(1D6)

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| <b>Catalog No</b>                  | YP-Ab-04788                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Reactivity</b>                  | Human; Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Applications</b>                | IHC;WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Gene Name</b>                   | NFAT5 KIAA0827 TONEBP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Immunogen</b>                   | Synthesized peptide derived from human NFAT5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Specificity</b>                 | This antibody detects endogenous levels of NFAT5 at Human, Mouse,Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.26% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>                      | Monoclonal, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purification</b>                | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Dilution</b>                    | IHC-p1:50-200 ,WB 1:1000-2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>                    | NFAT5;NFAT5 KIAA0827 TONEBP;Nuclear factor of activated T-cells 5 (NF-AT5) (T-cell transcription factor NFAT5) (Tonicity-responsive enhancer-binding protein) (TonE-binding protein) (TonEBP)                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Observed Band</b>               | 200kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Calculated Molecular Weight</b> | 200kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cell Pathway</b>                | Nucleus . Cytoplasm . Nuclear distribution increases under hypertonic conditions. .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Tissue Specificity</b>          | Widely expressed, with highest levels in skeletal muscle, brain, heart and peripheral blood leukocytes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Function</b>                    | alternative products:Experimental confirmation may be lacking for some isoforms,function:Plays a role in the inducible expression of genes. Regulates hypertonicity-induced cellular accumulation of osmolytes.,similarity:Contains 1 RHD (Rel-like) domain.,subunit:Does not bind with Fos and Jun transcription factors. But might be capable of forming stable dimers with DNA elements.,tissue specificity:Highest levels in skeletal muscle, brain, heart and peripheral blood leukocytes. Also expressed in placenta, lung, liver, kidney, pancreas, spleen, thymus, prostate, testis, ovary, small intestine and colon., |



## Background

The product of this gene is a member of the nuclear factors of activated T cells family of transcription factors. Proteins belonging to this family play a central role in inducible gene transcription during the immune response. This protein regulates gene expression induced by osmotic stress in mammalian cells. Unlike monomeric members of this protein family, this protein exists as a homodimer and forms stable dimers with DNA elements. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],

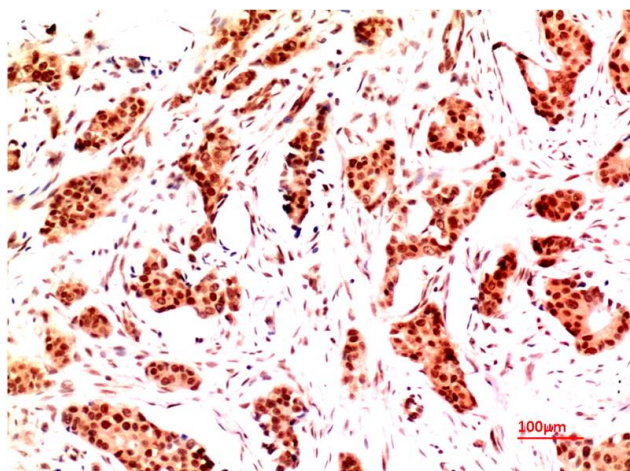
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

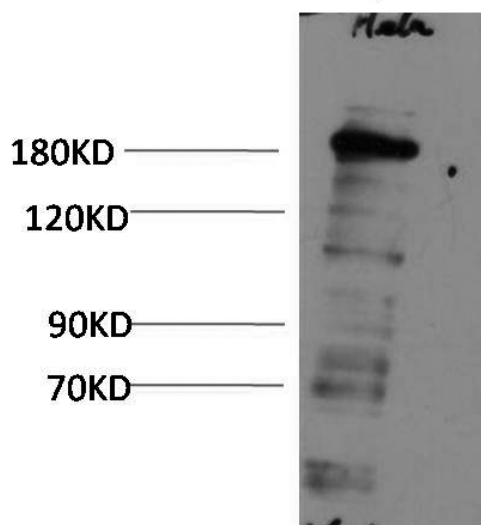
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma Tissue using NFAT5 Mouse Monoclonal antibody diluted at 1:500.

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Western blot analysis of 1)Hela Cell, 2) Mouse Brain, 3) Rat Brain Tissue Lysate using NFAT5 Mouse Monoclonal mAb diluted at 1:2,000.