



# CMYA5 rabbit pAb

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| <b>Catalog No</b>                  | YP-Ab-11591                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Reactivity</b>                  | Human; Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Applications</b>                | IHC;IF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Name</b>                   | CMYA5 C5orf10 DTNBP2 SPRYD2 TRIM76                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen</b>                   | Synthesized peptide derived from human CMYA5 AA range: 3866-3916                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Specificity</b>                 | This antibody detects endogenous levels of CMYA5 at Human/Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Dilution</b>                    | IHC-p 1:50-200. IF 1:50-200                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>                    | C5orf1;cardiomyopathy associated 5;CMYA5;DKFZp451G182;DKFZp451G223; CMYA5 C5orf10 DTNBP2 SPRYD2 TRIM76                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Observed Band</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Calculated Molecular Weight</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cell Pathway</b>                | Nucleus . Sarcoplasmic reticulum . Cytoplasm . Cytoplasm, perinuclear region . Cytoplasm, myofibril, sarcomere, M line . Found predominantly at the periphery of the nucleus but also throughout the cell. Localized in lysosomes (By similarity) . In skeletal muscles, localizes along myofiber periphery, at costameres (By similarity). Predominantly flanks Z-disks (By similarity). Occasionally present at the M-band level. Colocalized with RYR2 in the sarcoplasmic reticulum (By similarity) . |
| <b>Tissue Specificity</b>          | Expressed in skeletal muscle; at a strong level and in heart.                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Function</b>                    | domain:Amphipathic helix regions act as an anchoring domain for PKA, and appear to be responsible of the interaction between myospryn and PRKAR2A., induction:Down-regulated in muscle cell lines derived from patients with Duchenne muscular dystrophy (DMD).,sequence caution:Contaminating sequence. Potential poly-A sequence.,sequence caution:Translated as Trp., similarity:Contains 1 B30.2/SPRY domain.,similarity:Contains 2 fibronectin type-                                                 |



III domains.,subcellular location:Found predominantly at the periphery of the nucleus but also throughout the cell. Localized at the Z-line costamere connection level of the sarcolemma and in lysosomes.,subunit:Interacts with ACTN2, DTNBP1/dysbindin and PRKAR2A (By similarity). Interacts with DES., tissue specificity:Expressed in skeletal muscle; at a strong level and in heart.,

## Background

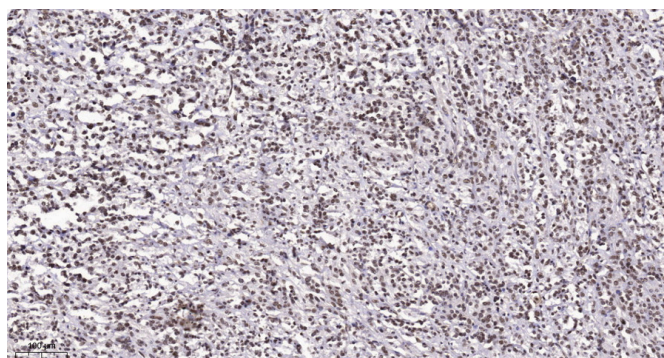
### matters needing attention

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 Small intestinal stromal tumor. 1, Tris-EDTA,pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200(4° overnight.3,Secondary antibody was diluted at 1:200(room temperature, 45min).