



# Uba5 Monoclonal Antibody

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|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-mAb-02810                                                                                                                                                                                                                                                                                                                         |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                  |
| <b>Reactivity</b>                  | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                      |
| <b>Applications</b>                | WB                                                                                                                                                                                                                                                                                                                                   |
| <b>Gene Name</b>                   | UBA5                                                                                                                                                                                                                                                                                                                                 |
| <b>Immunogen</b>                   | The antiserum was produced against synthesized peptide derived from human UBA5. AA range:281-330                                                                                                                                                                                                                                     |
| <b>Specificity</b>                 | Uba5 Monoclonal Antibody detects endogenous levels of Uba5 protein.                                                                                                                                                                                                                                                                  |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                              |
| <b>Source</b>                      | Monoclonal, Mouse,IgG                                                                                                                                                                                                                                                                                                                |
| <b>Purification</b>                | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                 |
| <b>Dilution</b>                    | WB 1:500-1:2000                                                                                                                                                                                                                                                                                                                      |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                              |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>                    | ThiFP1;UBE1DC1;Ubiquitin activating enzyme 5;Ubiquitin-activating enzyme 5; Ubiquitin-activating enzyme E1 domain-containing protein 1;Uba5;Ubiquitin-like modifier-activating enzyme 5;UFM1-activating enzyme                                                                                                                       |
| <b>Observed Band</b>               | 45kD                                                                                                                                                                                                                                                                                                                                 |
| <b>Calculated Molecular Weight</b> | 45kD                                                                                                                                                                                                                                                                                                                                 |
| <b>Cell Pathway</b>                | Cytoplasm . Nucleus . Endoplasmic reticulum membrane . Golgi apparatus . Localizes mainly in the cytoplasm, while it localizes to the nucleus in presence of SUMO2 (PubMed:18442052). Interaction with GABARAPL2 promotes localization to the endoplasmic reticulum membrane (PubMed:30990354). .                                    |
| <b>Tissue Specificity</b>          | Widely expressed.                                                                                                                                                                                                                                                                                                                    |
| <b>Function</b>                    | function:E1-like enzyme which activates UFM1.,similarity:Belongs to the ubiquitin-activating E1 family. UBA5 subfamily.,                                                                                                                                                                                                             |
| <b>Background</b>                  | This gene encodes a member of the E1-like ubiquitin-activating enzyme family. This protein activates ubiquitin-fold modifier 1, a ubiquitin-like post-translational modifier protein, via the formation of a high-energy thioester bond. Alternative splicing results in multiple transcript variants. A pseudogene of this gene has |



been identified on chromosome 1. [provided by RefSeq, Feb 2016],

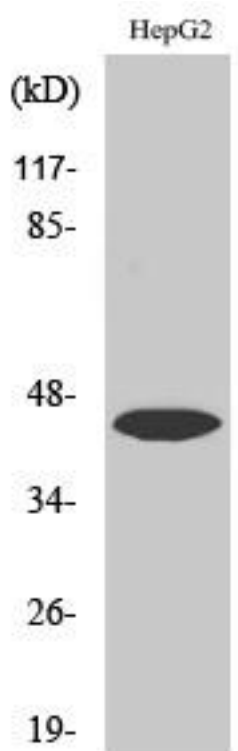
**matters needing attention**

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**



Western Blot analysis of various cells using Uba5 Monoclonal Antibody