



# SUMF1 mouse mAb

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-mAb-18262                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Reactivity</b>                  | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Applications</b>                | WB                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Gene Name</b>                   | SUMF1 FGE PSEC0152 UNQ3037/PRO9852                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Immunogen</b>                   | Synthesized peptide derived from human SUMF1                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Specificity</b>                 | This antibody detects endogenous levels of SUMF1 at Human, Mouse                                                                                                                                                                                                                                                                                                                                                              |
| <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>                    | AAPA3037;FGE;sulfatase modifying factor 1;SUMF1;UNQ3037/PRO9852; SUMF1 FGE PSEC0152 UNQ3037/PRO9852;Sulfatase-modifying factor 1 (EC 1.8.99.-) (C-alpha-formylglycine-generating enzyme 1)                                                                                                                                                                                                                                    |
| <b>Observed Band</b>               | 45-50 kDa                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Calculated Molecular Weight</b> | 374 aa, 41 kDa                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Cell Pathway</b>                | Endoplasmic reticulum lumen .                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Tissue Specificity</b>          | Ubiquitous. Highly expressed in kidney, pancreas and liver. Detected at lower levels in leukocytes, lung, placenta, small intestine, skeletal muscle and heart.                                                                                                                                                                                                                                                               |
| <b>Function</b>                    | Oxidase that catalyzes the conversion of cysteine to 3-oxoalanine on target proteins, using molecular oxygen and an unidentified reducing agent . 3-oxoalanine modification, which is also named formylglycine (fGly), occurs in the maturation of arylsulfatases and some alkaline phosphatases that use the hydrated form of 3-oxoalanine as a catalytic nucleophile . Known substrates include GALNS, ARSA, STS and ARSE . |
| <b>Background</b>                  |                                                                                                                                                                                                                                                                                                                                                                                                                               |

**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**