



# SFXN1 Mouse mAb

|                                  |   |
|----------------------------------|---|
| <b>Catalog No</b>                | YP-mAb-18623  |
| <b>Isotype</b>                   | IgG   |
| <b>Reactivity</b>                | Human, Mouse, Rat   |
| <b>Applications</b>              | WB  |
| <b>Gene Name</b>                 | SFXN1   |
| <b>Protein Name</b>              | Sideroflexin-1 (Tricarboxylate carrier protein) (TCC)   |
| <b>Immunogen</b>                 |   |
| <b>Specificity</b>               | This antibody detects endogenous levels of SFXN1 at Human, Mouse, Rat   |
| <b>Formulation</b>               | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| <b>Source</b>                    |   |
| <b>Purification</b>              | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.   |
| <b>Dilution</b>                  | WB 1:500-1:2000; IHC 1:100-1:300; ELISA 1:40000; 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>                  |   |
| <b>Observed Band</b>             | 35kD  |
| <b>Cell Pathway</b>              | Mitochondrion inner membrane ; Multi-pass membrane protein .  |
| <b>Tissue Specificity</b>        | Highly expressed in tissues with high one-carbon metabolism activity, such as blood, liver and kidney.  |
| <b>Function</b>                  | Mitochondrial serine transporter that mediates transport of serine into mitochondria, an important step of the one-carbon metabolism pathway . Mitochondrial serine is converted to glycine and formate, which then exits to the cytosol where it is used to generate the charged folates that serve as one-carbon donors . Transports both D-serine and L-serine . Also able to transport other amino-acids, such as alanine . May be indirectly involved in the transport of a component required for iron utilization into or out of the mitochondria (By similarity). |
| <b>Background</b>                |   |
| <b>matters needing attention</b> | 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**