



SFXN1 Mouse mAb

Catalog No	YP-mAb-18623
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SFXN1
Immunogen	
Specificity	This antibody detects endogenous levels of SFXN1 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000; IHC 1:100-1:300; ELISA 1:40000; IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TCC;SLC56A1;SFXN1;Sideroflexin-1 (Tricarboxylate carrier protein) (TCC)
Observed Band	36kDa
Calculated Molecular Weight	36kDa
Cell Pathway	Mitochondrion inner membrane ; Multi-pass membrane protein .
Tissue Specificity	Highly expressed in tissues with high one-carbon metabolism activity, such as blood, liver and kidney.
Function	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).
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

