



# TYSD1 Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-05904
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	TYSND1
<b>Protein Name</b>	Peroxisomal leader peptide-processing protease (EC 3.4.21.-) (Trypsin domain-containing protein 1) [Cleaved into: Peroxisomal leader peptide-processing protease, 15 kDa form; Peroxisomal leader peptid
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 120-200
<b>Specificity</b>	TYSD1 Monoclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 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>	
<b>Observed Band</b>	62kD
<b>Cell Pathway</b>	Peroxisome .
<b>Tissue Specificity</b>	Brain,Lung,
<b>Function</b>	function:Peroxisomal protease that mediates both the removal of the leader peptide from proteins containing a PTS2 target sequence and the specific processing of PTS1 proteins. May participate to a regulatory mechanism that control the peroxisomal beta-oxidation of fatty acids.,PTM:Processed into the 49 kDa and the 10 kDa forms upon import into the peroxisomes. The 49 kDa form probably corresponds to the mature enzyme, while the 10 kDa form may represent an inhibitory N-terminal fragment which prevents protease activity until it reaches the peroxisomes.,similarity:Belongs to the peptidase S1B family.,
<b>Background</b>	This gene encodes a protease that removes the N-terminal peroxisomal targeting signal (PTS2) from proteins produced in the cytosol, thereby facilitating their import into the peroxisome. The encoded protein is also caMABLE of removing the C-terminal peroxisomal targeting signal (PTS1) from proteins in the peroxisomal matrix. The full-length protein undergoes self-cleavage to produce shorter, potentially inactive, peptides. Alternative splicing results in multiple



transcript variants for this gene. [provided by RefSeq, Jan 2013],

**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**