

TYSD1 Polyclonal Antibody

Catalog No :	YN1031
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	TYSD1
Gene Name :	TYSND1
Protein Name :	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
Human Gene Id :	219743
Human Swiss Prot No :	Q2T9J0
Mouse Swiss Prot No :	Q9DBA6
Immunogen :	Synthesized peptide derived from human protein . at AA range: 120-200
Specificity :	TYSD1 Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	62kD

Background : 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 capable 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],

Function : 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.,

Subcellular Peroxisome .

Location :

Expression : Brain,Lung,

Products Images