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Immunotag™ TYSD1 Polyclonal Antibody

Antibody Specification

Catalog No.	ITN1031
Product Description	Immunotag™ TYSD1 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	TYSD1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from human protein . at AA range: 120-200
Specificity	TYSD1 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	TYSND1
Accession No.	Q2T9J0 Q9DBA6

Antibody Specification

Description	trypsin domain containing 1(TYSND1) Homo sapiens 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],
Protein Expression	Brain,Lung,
Subcellular Localization	peroxisome,membrane,
Protein 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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.