

Immunotag™ PREP Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN2341
Product Description	Immunotag™ PREP 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	PREP
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: 450-530
Specificity	PREP 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	PITRM1 KIAA1104 MP1
Accession No.	Q5JRX3 Q8K411

Antibody Specification

Description	cofactor: Binds 1 zinc ion per subunit., function: ATP-independent protease that degrades mitochondrial transit peptides after their cleavage. Also degrades other unstructured peptides. Specific for peptides in the range of 10 to 65 residues. Able to degrade amyloid beta A4 (APP) protein when it accumulates in mitochondrion, suggesting a link with Alzheimer disease. Shows a preference for cleavage after small polar residues and before basic residues, but without any positional preference., PTM: The disulfide bond may lock the enzyme in a closed conformation under oxidized conditions, suggesting that it may participate in redox regulation of the enzyme., similarity: Belongs to the peptidase M16 family. PreP subfamily., subunit: Homodimer., tissue specificity: Widely expressed. Expressed at higher level in muscle and heart compared to brain, pancreas, liver, lung and placenta.,
Protein Expression	Brain, Lung, Placenta, Small intestine, Testis,
Subcellular Localization	mitochondrion, mitochondrial matrix,
Protein Function	cofactor: Binds 1 zinc ion per subunit., function: ATP-independent protease that degrades mitochondrial transit peptides after their cleavage. Also degrades other unstructured peptides. Specific for peptides in the range of 10 to 65 residues. Able to degrade amyloid beta A4 (APP) protein when it accumulates in mitochondrion, suggesting a link with Alzheimer disease. Shows a preference for cleavage after small polar residues and before basic residues, but without any positional preference., PTM: The disulfide bond may lock the enzyme in a closed conformation under oxidized conditions, suggesting that it may participate in redox regulation of the enzyme., similarity: Belongs to the peptidase M16 family. PreP subfamily., subunit: Homodimer., tissue specificity: Widely expressed. Expressed at higher level in muscle and heart compared to brain, pancreas, liver, lung and placenta.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.