



Rabbit Anti-IMP4 antibody

SL11682R

Product Name:	IMP4
Chinese Name:	膜内蛋白酶4抗体
Alias:	SPPL2B; IMP4; Signal peptide peptidase-like 2B; Intramembrane protease 4; Protein SPP-like 2B; SPPL2B; SPP2B_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	65kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SPPL2B:55-135/592
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 癆 for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20癆. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 癆.
PubMed:	PubMed
Product Detail:	This gene encodes a member of the GXGD family of aspartic proteases. The GXGD proteases are transmembrane proteins with two conserved catalytic motifs localized within the membrane-spanning regions. This enzyme localizes to endosomes, lysosomes, and the plasma membrane. It cleaves the transmembrane domain of tumor necrosis factor alpha to release the intracellular domain, which triggers cytokine

expression in the innate and adaptive immunity pathways. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Function:

The SPPLs are a group of aspartic proteases that are responsible for proteolysis of type II membrane-anchored signalling factors. SPPL2b, unlike other SPPL family members is found in endosomes/lysosomes, and not the endoplasmic reticulum, and has a role in catalysing intramembrane cleavage of tumour necrosis factor alpha (TNFalpha).

Subunit:

Monomer. Homodimer. Interacts with ITM2B and TNF.

Subcellular Location:

Membrane; multi-pass membrane protein of endosomes/lysosomes.

Tissue Specificity:

Expressed predominantly in adrenal cortex and mammary gland.

Post-translational modifications:

Glycosylated.

Similarity:

Belongs to the peptidase A22B family.
Contains 1 PA (protease associated) domain.

SWISS:

Q8TCT7

Gene ID:

56928

Database links:

[Entrez Gene: 56928](#) Human

[SwissProt: Q8TCT7](#) Human

[Unigene: 330742](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.