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Datasheet for ABIN1386177 **anti-SPPL2B antibody (AA 55-135)**

Overview

Quantity:	100 µL
Target:	SPPL2B
Binding Specificity:	AA 55-135
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPPL2B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SPPL2B
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	SPPL2B
Alternative Name:	IMP4/SPPL2B (SPPL2B Products)

Target Details

Background:	<p>Synonyms: IMP4, Signal peptide peptidase-like 2B, Intramembrane protease 4, Protein SPP-like 2B, SPPL2B, SPP2B_HUMAN.</p> <p>Background: SPPL2b is a 592 amino acid multi-pass membrane protein that contains one protease associated domain and belongs to the GXGD family of aspartic proteases. Localized to the membrane of the Golgi apparatus and to lysosomes, endosomes and the plasma membrane, SPPL2b functions as an intramembrane protease that specifically cleaves the transmembrane domain of TNF. Once cleaved, TNF releases its intracellular domain, thus triggering the immunity-related expression of cytokines (also known as interleukins) which are used in various pathways throughout the body. SPPL2b also interacts with and catalyzes the intramembrane proteolysis of ITM2B (integral membrane protein 2B), a protein that, when mutated, is associated with dementia. Four isoforms of SPPL2b exist due to alternative splicing events.</p>
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Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C

Handling

Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months