

Datasheet for ABIN7169627
anti-SPPL2B antibody (AA 492-592)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	SPPL2B
Binding Specificity:	AA 492-592
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPPL2B antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Signal peptide peptidase-like 2B protein (492-592AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	SPPL2B
Alternative Name:	SPPL2B (SPPL2B Products)
Background:	Background: Intramembrane-cleaving aspartic protease (I-CLiP) that cleaves type II membrane signal peptides in the hydrophobic plane of the membrane. Functions in ITM2B and TNF

Target Details

processing (PubMed:16829952, PubMed:16829951, PubMed:17965014, PubMed:19114711, PubMed:22194595). Catalyzes the intramembrane cleavage of the anchored fragment of shed TNF-alpha (TNF), which promotes the release of the intracellular domain (ICD) for signaling to the nucleus (PubMed:16829952, PubMed:16829951). May play a role in the regulation of innate and adaptive immunity (PubMed:16829952). Catalyzes the intramembrane cleavage of the simian foamy virus processed leader peptide gp18 of the envelope glycoprotein gp130 dependently of prior ectodomain shedding by furin or furin-like proprotein convertase (PC)-mediated cleavage proteolysis (PubMed:23132852).

Aliases: SPPL2B antibody, IMP4 antibody, KIAA1532 antibody, PSL1 antibody, Signal peptide peptidase-like 2B antibody, SPP-like 2B antibody, SPPL2b antibody, EC 3.4.23.- antibody, Intramembrane protease 4 antibody, IMP-4 antibody, Presenilin homologous protein 4 antibody, PSH4 antibody, Presenilin-like protein 1 antibody

UniProt: [Q8TCT7](#)

Application Details

Application Notes: Recommended dilution: IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

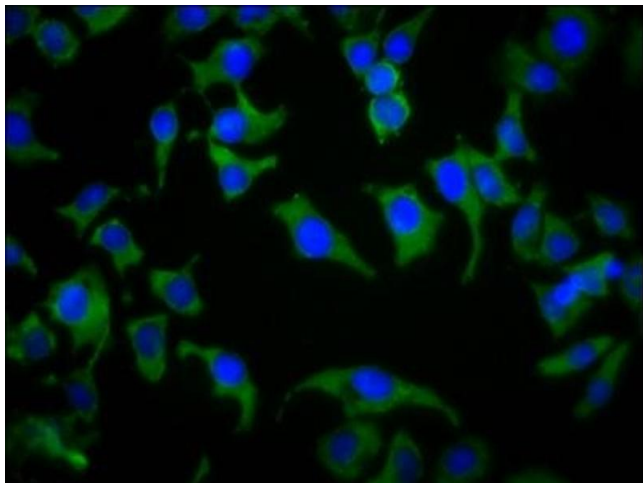
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescence staining of A549 cells with ABIN7169627 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).