

Datasheet for ABIN7170553
anti-SMPD2 antibody (AA 199-301)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µg
Target:	SMPD2
Binding Specificity:	AA 199-301
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMPD2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Sphingomyelin phosphodiesterase 2 protein (199-301AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	SMPD2
Alternative Name:	SMPD2 (SMPD2 Products)
Background:	Background: Converts sphingomyelin to ceramide. Hydrolyze 1-acyl-2-lyso-sn-glycero-3-phosphocholine (lyso-PC) and 1-O-alkyl-2-lyso-sn-glycero-3-phosphocholine (lyso-platelet-

Target Details

activating factor). The physiological substrate seems to be Lyso-PAF.

Aliases: ISC1 antibody, Lyso platelet activating factor phospholipase C antibody, Lyso-PAF-PLC antibody, Lyso-platelet-activating factor-phospholipase C antibody, N-SMase antibody, Neutral sphingomyelinase antibody, NSMA_HUMAN antibody, nSMase antibody, NSMASE1 antibody, Smpd2 antibody, Sphingomyelin phosphodiesterase 2 antibody, Sphingomyelin phosphodiesterase 2, neutral membrane (neutral sphingomyelinase) antibody

UniProt: [O60906](#)

Pathways: [Neurotrophin Signaling Pathway](#)

Application Details

Application Notes: Recommended dilution: IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

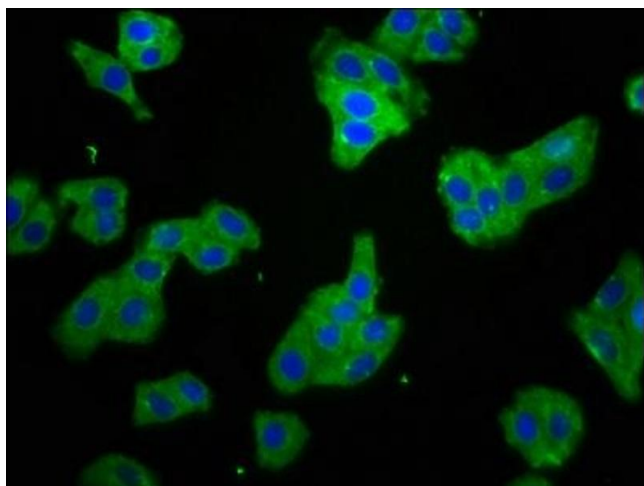
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

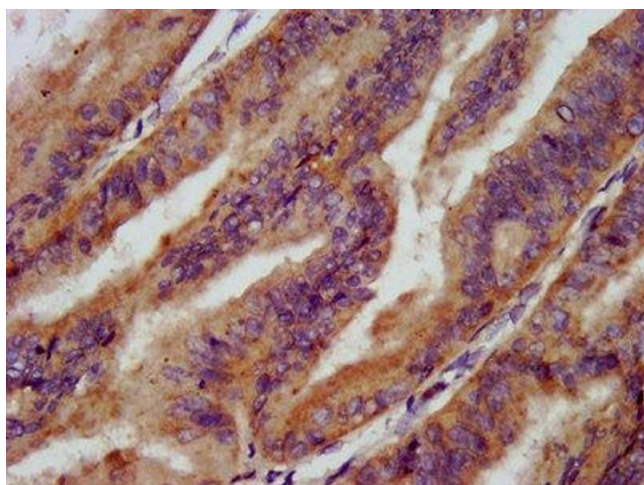
Storage: -20 °C,-80 °C

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



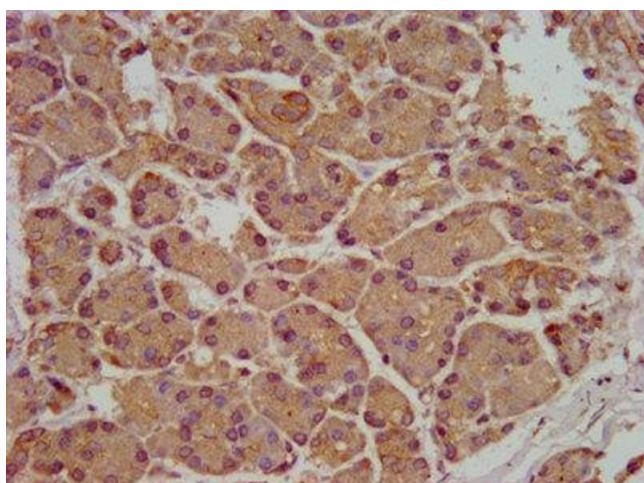
Immunofluorescence

Image 1. Immunofluorescence staining of HepG2 cells with ABIN7170553 at 1:66, 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).



Immunohistochemistry

Image 2. IHC image of ABIN7170553 diluted at 1:200 and staining in paraffin-embedded human endometrial cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunohistochemistry

Image 3. IHC image of ABIN7170553 diluted at 1:200 and staining in paraffin-embedded human pancreatic tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.