

Datasheet for ABIN499343
anti-PYCARD antibody



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2 Images

Overview

Quantity:	0.1 mg
Target:	PYCARD
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PYCARD antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Human ASC Peptide
Isotype:	IgG
Specificity:	ASC antibody was raised against a synthetic peptide corresponding to amino acids 182 to 195 of human ASC .
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	PYCARD
Alternative Name:	CARD5 / PYCARD / ASC (PYCARD Products)
Background:	Apoptosis is regulated by death domain (DD) and/or caspase recruitment domain (CARD) containing molecules and a caspase family of proteases. CARD containing cell death regulators include RAIDD, RICK, BCL10, Apaf-1, ARC, caspase-9, and caspase-2. A novel CARD domain

Target Details

containing protein was recently identified in human and mouse and designated ASC and TMS1 (1-3). Ectopic expression of ASC/TMS1 induced apoptosis through activation of caspase-9 and inhibited the survival of human breast cancer cells (3,4). Overexpression of ASC/TMS1 induced DNA fragmentation (4). ASC/TMS1 is expressed in a variety of human and mouse tissues (1, 2)Synonyms: Caspase recruitment domain-containing protein 5, PYD and CARD domain-containing protein, TMS1, Target of methylation-induced silencing 1, poptosis-associated speck-like protein containing a CARD

Gene ID: 29108

UniProt: [Q9ULZ3](#)

Pathways: [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Actin Filament Polymerization](#), [Positive Regulation of Endopeptidase Activity](#), [Activated T Cell Proliferation](#), [Inflammasome](#)

Application Details

Application Notes: ELISA. Western Blot: ASC antibody can be used for detection of ASC/TMS1 at 1 µg/mL. Anapproximately 25 kDa band can be detected. Immunocytochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

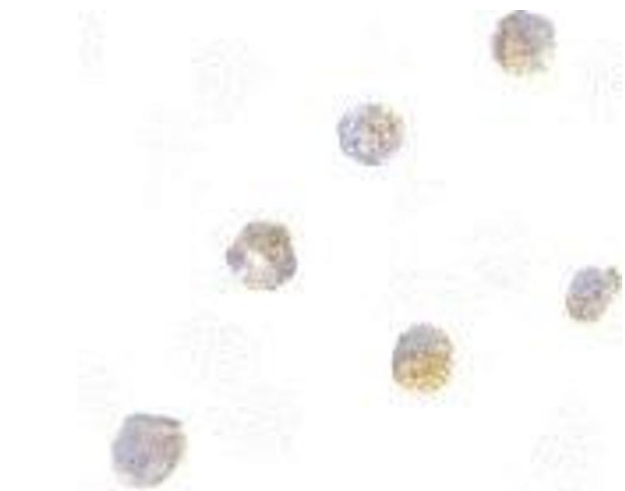
Buffer: PBS containing 0.02 % Sodium Azide as preservative

Preservative: Sodium azide

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

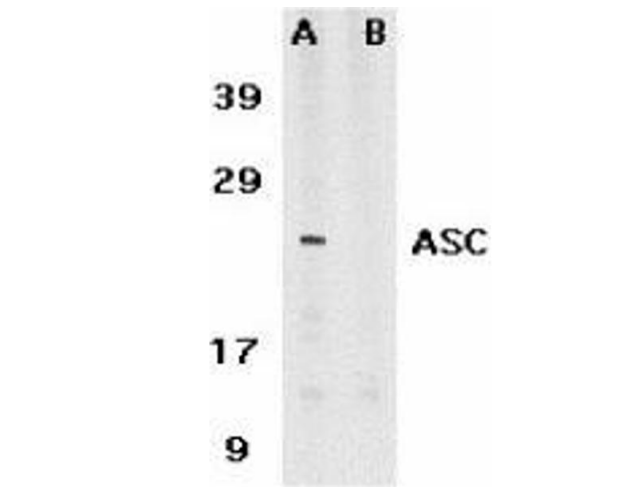
Storage: 4 °C

Storage Comment: Store the antibody undiluted at 2-8 °C.



Immunofluorescence

Image 1. Immunocytochemistry of ASC in HL60 cells with AP30084PU-N ASC antibody at 5 µg/ml.



Western Blotting

Image 2. Western blot analysis of ASC in HL60 whole cell lysate in the absence (A) or presence (B) of blocking peptide with AP30084PU-N ASC antibody at 1 µg /ml.