

Rabbit anti-Mouse ASC/TMS1/Pycard Polyclonal Antibody | anti-ASC/TMS1/Pycard antibody

Anti-ASC/TMS1/Pycard Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126982	Rabbit	Mouse	Western Blot, Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

ASC/TMS1/Pycard; Polyclonal Antibody; Anti-ASC/TMS1/Pycard Antibody Picoband; ETS variant 6; Transcription factor ETV6; ETS translocation variant 6; ETS-related protein Tel1; Tel; ETV6; TEL; TEL1; anti-ASC/TMS1/Pycard antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Ubiquitous.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-ASC/TMS1/Pycard antibody	WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), ELISA
Immunogen	E coli-derived mouse ASC/TMS1/Pycard recombinant protein (Position: K24-S193).
Subcellular Localization	Nucleus
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Transcriptional repressor; binds to the DNA sequence 5'- CCGGAAGT-3'. Plays a role in hematopoiesis and malignant transformation.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 3. Flow Cytometry analysis of RAW264.7 cells using anti-ASC/TMS1/Pycard antibody (AAA126982).Overlay histogram showing RAW264.7 cells stained with AAA126982 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ASC/TMS1/Pycard Antibody (AAA126982, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of ASC/TMS1/Pycard using anti-ASC/TMS1/Pycard antibody (AAA126982).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: mouse lung tissue lysates,Lane 2: mouse spleen tissue lysates,Lane 3: mouse thymus tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ASC/TMS1/Pycard antigen affinity purified polyclonal antibody (#AAA126982) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for ASC/TMS1/Pycard at approximately 22 kDa. The expected band size for ASC/TMS1/Pycard is at 22 kDa.



IF (Immunofluorescence)
Figure 2. IF analysis of ASC/TMS1/Pycard using anti-ASC/TMS1/Pycard antibody (AAA126982) and anti-Tubulin Alpha antibody (M03989-3).ASC/TMS1/Pycard was detected in immunocytochemical section of RM1 cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-ASC/TMS1/Pycard Antibody (AAA126982) and mouse anti-Tubulin Alpha antibody (M03989-3) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) and DyLight488 Conjugated Goat Anti-Mouse IgG (BA1126) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

ADDITIONAL INFORMATION

Related Product Information for anti-ASC/TMS1/Pycard antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-ASC/TMS1/Pycard antibody	Primary Antibodies; Cancer Susceptibility; Domain Families; Epigenetics and Nuclear Signaling; Proto-Oncogenes; Transcription; Transcription Factors
References	1. Agostini, L., Martinon, F., Burns, K., McDermott, M. F., Hawkins, P. N., Tschopp, J. NALP3 forms an IL-1-beta-processing inflammasome with increased activity in Muckle-Wells autoinflammatory disorder. Immunity 20: 319-325, 2004. 2. Cai, X., Chen, J., Xu, H., Liu, S., Jiang, Q.-X., Halfmann, R., Chen, Z. J. Prion-like polymerization underlies signal transduction in antiviral immune defense and inflammasome activation. Cell 156: 1207-1222, 2014.3. Conway, K. E., McConnell, B. B., Bowring, C. E., Donald, C. D., Warren, S. T., Vertino, P. M. TMS1, a novel proapoptotic caspase recruitment domain protein, is a target of methylation-induced gene silencing in human breast cancers. Cancer Res. 60: 6236-6242, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GI #	165377185
NCBI GeneID	66824
NCBI Accession #	NP_075747.3
NCBI GenBank Nucleotide #	NM_023258.4
UniProt Accession #	Q9EPB4; Q9D2W9
Molecular Weight	21,459 Da

NCBI Official Full Name	apoptosis-associated speck-like protein containing a CARD
NCBI Official Synonym Full Names	PYD and CARD domain containing
NCBI Official Symbol	Pycard
NCBI Official Synonym Symbols	Asc; TNS1; masc; CARD5; TMS-1; 9130417A21Rik
NCBI Protein Information	apoptosis-associated speck-like protein containing a CARD
UniProt Protein Name	Apoptosis-associated speck-like protein containing a CARD
UniProt Gene Name	Pycard
UniProt Synonym Gene Names	Asc; mASC
UniProt Entry Name	ASC_MOUSE

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/asc-tms1-pycard-antibody-western-blot-immunofluorescence-immunocytochemistry-flow-cytometry-elisa/126982>