

Product Datasheet

ASC/TMS1/Pycard Rabbit Polyclonal Antibody (orb1728210)

Catalog Number	orb1728210
Category	Antibodies
Description	Anti-ASC/TMS1/Pycard Antibody. Tested in ELISA, Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Mouse.
Target	O-acyltransferase
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	Rabbit IgG
Conjugation	Unconjugated
Reactivity	Mouse
Form/Appearance	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Buffer/Preservatives	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Purification	Immunogen affinity purified.
Immunogen	E.coli-derived mouse ASC/TMS1/Pycard recombinant protein (Position: K24-S193).
UniProt ID	Q9EPB4

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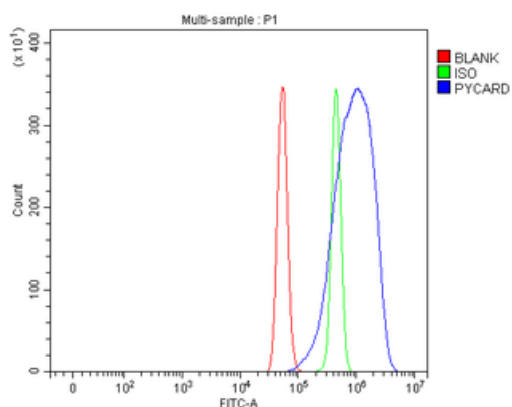
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MW	22 kDa
Tested applications	ELISA, FC, ICC, IF, WB
Dilution range	Western blot, 0.25-0.5 µg/ml, Mouse Immunocytochemistry/Immunofluorescence, 5 µg/ml, Mouse Flow Cytometry (Fixed), 1-3 µg/1x10 ⁶ cells, Mouse ELISA, 0.1-0.5 µg/ml
Cross Reactivity	No cross-reactivity with other proteins.
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Flow Cytometry analysis of RAW264.7 cells using anti-ASC/TMS1/Pycard antibody. Overlay histogram showing RAW264.7 cells (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 (1 µg/1x10⁶ cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (5-10 µg/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 µg/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

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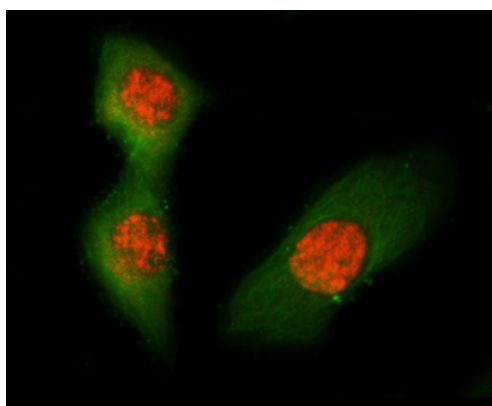
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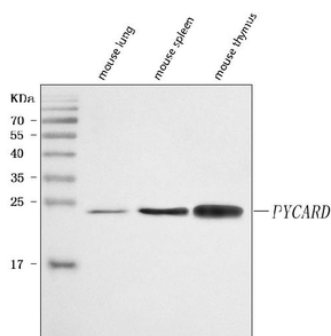
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IF analysis of ASC/TMS1/Pycard using anti-ASC/TMS1/Pycard antibody and anti-Tubulin Alpha antibody. ASC/TMS1/Pycard was detected in immunocytochemical section of RM1 cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 µg/mL rabbit anti-ASC/TMS1/Pycard Antibody and mouse anti-Tubulin Alpha antibody overnight at 4°C. Cy3 Conjugated Goat Anti-Rabbit IgG and DyLight®488 Conjugated Goat Anti-Mouse IgG were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



Western blot analysis of ASC/TMS1/Pycard using anti-ASC/TMS1/Pycard antibody. 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 µg 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 at 0.5 µg/mL overnight at 4°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.

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