

Product Datasheet

PYCARD Antibody (orb1239217)

Catalog Number	orb1239217
Category	Antibodies
Description	PYCARD Antibody
Target	PYCARD
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human
Predicted Reactivity	Mouse, Rat
Form/Appearance	Liquid
Concentration	1 mg/mL
Buffer/Preservatives	ASC Antibody is supplied in PBS containing 0.02% sodium azide.
Purification	ASC Antibody is affinity chromatography purified via peptide column.
Immunogen	Anti-ASC antibody (orb1239217) was raised against a peptide corresponding to 14 amino acids near the carboxy terminus of human ASC. The immunogen is located within the last 50 amino acids of ASC.
UniProt ID	Q9ULZ3
MW	Predicted: 22kD Observed: 22 kD

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

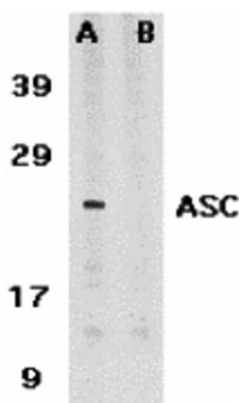
Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

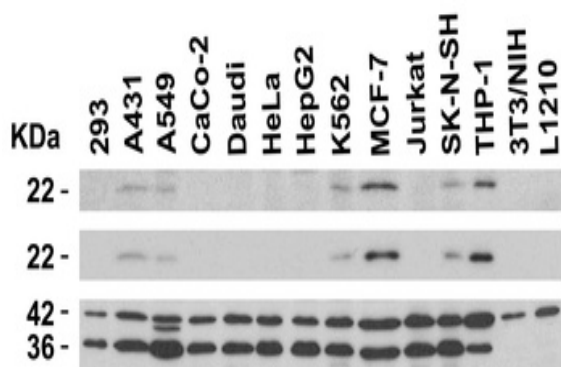
Email: info@biorbyt.com, support@biorbyt.com

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Tested applications	ELISA, ICC, IHC-P, KO/KD Validated, WB
Antibody Type	Primary Antibody
Modifications	None
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
NCBI	BAA87339
Expiration Date	12 months from date of receipt.



Western Blot Validation in Human HL60 Cells. Loading: 15 µg of lysates per lane. Antibodies: ASC orb1239217, (1 µg/mL) in the absence (A) or presence (B) of blocking peptide, 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Independent Antibody Validation (IAV) via Protein Expression Profile in Cell Lines. Loading: 15 µg of lysates per lane. Antibodies: ASC orb1239217, (2 µg/mL), ASC, (2 µg/mL), beta-actin (1 µg/mL) and GAPDH (0.02 µg/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit or goat anti-mouse (for ASC 39001) IgG HRP conjugate at 1:10000 dilution.

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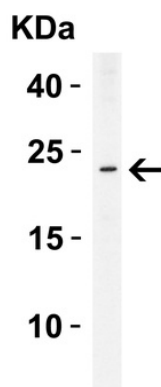
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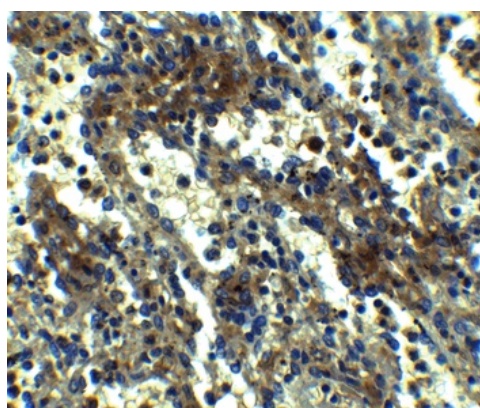
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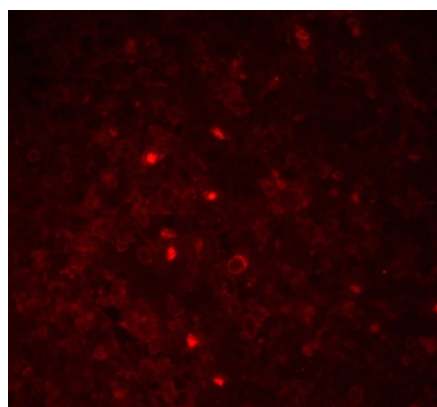
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Western Blot Validation in Human THP-1 Cells. Loading: 15 μ g of lysate per lane. Antibodies: ASC orb1239217, (2 μ g/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Immunohistochemistry Validation of ASC in Human Spleen Tissue. Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-ASC antibody (orb1239217) at 2.5 μ g/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Immunofluorescence Validation of ASC in Human Spleen Tissue. Immunofluorescent analysis of 4% paraformaldehyde-fixed Human Spleen Tissue labeling ASC with orb1239217 at 20 μ g/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red).

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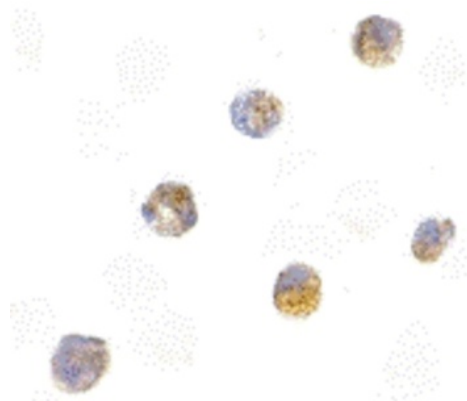
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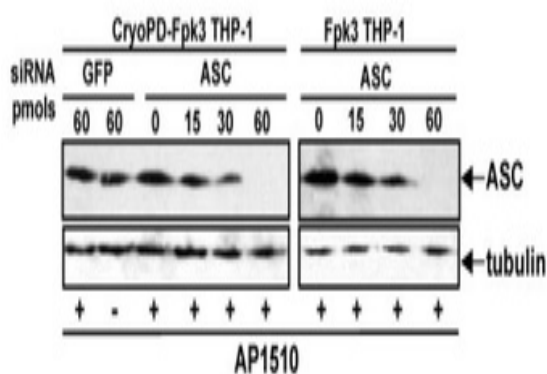
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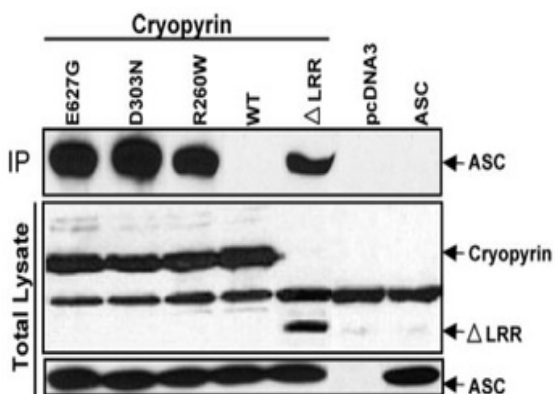
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Immunocytochemistry Validation of ASC in HL60 Cells. Immunocytochemical analysis of HL60 cells using anti-ASC antibody (orb1239217) at 5 µg/ml. Cells were fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



KD Validation of ASC in THP-1 Cells (Dowds et al., 2004). Immunofluorescence analysis with anti-ASC antibodies (orb1239217) was performed for BIM in 293 cells transfected with GFP siRNA or ASC siRNA. ASC expression was disrupted after ASC siRNA knockdown.



Overexpression Validation of ASC in HEK293T Cells (Dowds et al., 2004). Western blot analysis with anti-ASC antibodies (orb1239217) was performed for ASC in HEK293T cells transfected with pcDNA3-ASC.

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