



Product datasheet

Anti-TMS1/ASC antibody ab2236

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Overview

Product name	Anti-TMS1/ASC antibody
Description	Goat polyclonal to TMS1/ASC
Host species	Goat
Specificity	This antibody is expected to recognize all three reported isoforms (NP_037390; NP_660183; NP_660184).
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human TMS1/ASC aa 182-195. Sequence: C-RESQSYLVEDLERS (Peptide available as ab22875 , ab8395) <div>  Run BLAST with  Run BLAST with </div>
Positive control	HeLa cell lysate Human Liver
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified

Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab2236 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 2 - 4 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 0.2 - 0.6 µg/ml. Detects a band of approximately 22 kDa (predicted molecular weight: 22 kDa). 1 hour primary incubation is recommended for this product.

Target

Function	Promotes caspase-mediated apoptosis. This proapoptotic activity is mediated predominantly through the activation of caspase-9. May be a component of the inflammasome, a protein complex which also includes NALP2, CARD8 and CASP1 and whose function would be the activation of proinflammatory caspases.
Tissue specificity	Widely expressed at low levels. Detected in peripheral blood leukocytes, lung, small intestine, spleen, thymus, colon and at lower levels in placenta, liver and kidney. Very low expression in skeletal muscle, heart and brain. Detected in the leukemia cell lines HL-60 and U937, but not in Jurkat T-cell lymphoma and Daudi Burkitt's lymphoma. Detected in the melanoma cell line WM35, but not in WM793. Not detected in HeLa cervical carcinoma cells and Molt 4 lymphocytic leukemia cells.
Sequence similarities	Contains 1 CARD domain. Contains 1 DAPIN domain.
Domain	Interacts with CIAS1/PYPAF1 and PYDC1 via the DAPIN domain.
Post-translational modifications	Phosphorylated.
Cellular localization	Cytoplasm. Upstream of caspase activation, a redistribution from the cytoplasm to the aggregates occurs. These appear as hollow, perinuclear spherical, ball-like structures.

Images

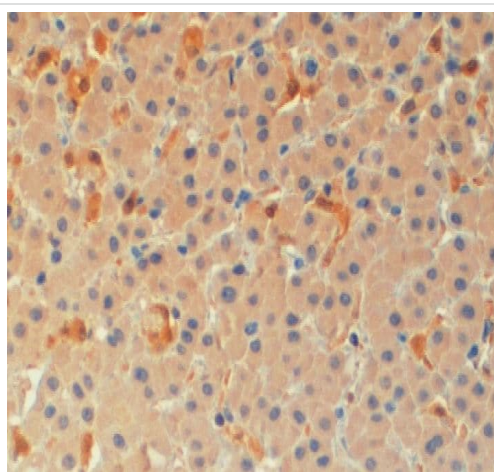


Western blot - Anti-TMS1/ASC antibody (ab2236)

Anti-TMS1/ASC antibody (ab2236) at 0.2 µg/ml + HeLa lysate

Developed using the ECL technique.

Predicted band size: 22 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TMS1/ASC antibody (ab2236)

Immunohistochemical analysis of human liver tissue staining TMS1/ASC with ab2236 at 4µg/ml. Steamed antigen retrieval with citrate buffer pH6, HRP-staining.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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