

Product datasheet

Anti-TMS1/ASC antibody ab111852

3 Images

Overview

Product name	Anti-TMS1/ASC antibody
Description	Goat polyclonal to TMS1/ASC
Host species	Goat
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human TMS1/ASC aa 150-250 (C terminal). Run BLAST with ExPASy Run BLAST with NCBI
Positive control	Human Liver and tonsil tissues; HeLa lysate.
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. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.3 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, 99% Tris buffered saline
Purity	Protein G purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab111852 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
WB		Use a concentration of 1 - 3 µg/ml. Predicted molecular weight: 22 kDa.
IHC-P		Use a concentration of 2.5 µg/ml.

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.

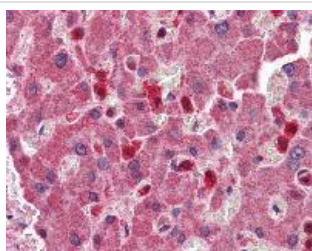
Post-translational modifications

Phosphorylated.

Cellular localization

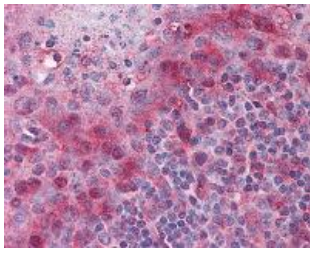
Cytoplasm. Upstream of caspase activation, a redistribution from the cytoplasm to the aggregates occurs. These appear as hollow, perinuclear spherical, ball-like structures.

Images



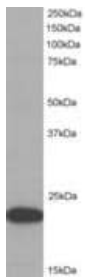
ab111852, at 2.5µg/ml, staining TMS1/ASC in Formalin-fixed, Paraffin-embedded Human Liver tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TMS1/ASC antibody (ab111852)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TMS1/ASC antibody (ab111852)

ab111852, at 2.5µg/ml, staining TMS1/ASC in Formalin-fixed, Paraffin-embedded Human Tonsil tissue by Immunohistochemistry.



Western blot - Anti-TMS1/ASC antibody (ab111852)

Anti-TMS1/ASC antibody (ab111852) at 1 µg/ml + HeLa lysate at 35 µg

Developed using the ECL technique.

Predicted band size: 22 kDa

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

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