

Product datasheet

Anti-MAVS antibody ab189109

3 Images

Overview

Product name	Anti-MAVS antibody
Description	Rabbit polyclonal to MAVS
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide corresponding to Human MAVS (internal sequence). (NP_065797.2). Database link: Q7Z434
Positive control	Human brain, cortex tissue; Mouse brain cells; Rat brain tissue lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.02% Sodium azide Constituent: 99% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab189109** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

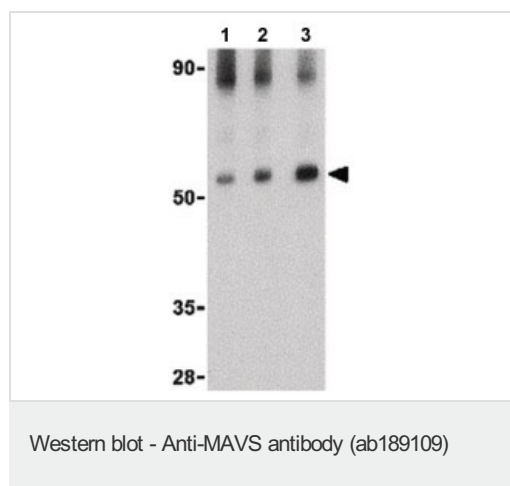
Application	Abreviews	Notes
WB		Use a concentration of 0.5 - 2 µg/ml. Predicted molecular weight: 57 kDa.
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 20 µg/ml.

Target

Function	Required for innate immune defense against viruses. Acts downstream of DDX58 and IFIH1/MDA5, which detect intracellular dsRNA produced during viral replication, to coordinate pathways leading to the activation of NF-kappa-B, IRF3 and IRF7, and to the subsequent induction of antiviral cytokines such as IFN-beta and RANTES (CCL5). May activate the same pathways following detection of extracellular dsRNA by TLR3. May protect cells from apoptosis.
Tissue specificity	Present in T-cells, monocytes, epithelial cells and hepatocytes (at protein level). Ubiquitously expressed, with highest levels in heart, skeletal muscle, liver, placenta and peripheral blood leukocytes.
Sequence similarities	Contains 1 CARD domain.
Domain	Both CARD and transmembrane domains are essential for antiviral function. The CARD domain is responsible for interaction with DDX58 and IFIH1.
Post-translational modifications	Ubiquitinated; undergoes 'Lys-48'-linked polyubiquitination catalyzed by ITCH; ITCH-dependent polyubiquitination is mediated by the interaction with PCBP2 and leads to MAVS proteasomal degradation.
Cellular localization	Mitochondrion outer membrane.

Images



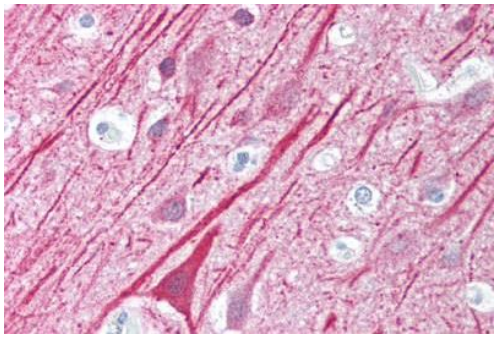
Lane 1 : Anti-MAVS antibody (ab189109) at 0.5 µg/ml

Lane 2 : Anti-MAVS antibody (ab189109) at 1 µg/ml

Lane 3 : Anti-MAVS antibody (ab189109) at 2 µg/ml

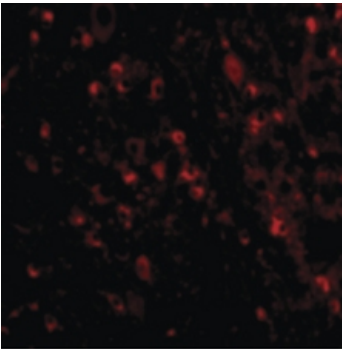
All lanes : Rat brain tissue lysate

Predicted band size: 57 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAVS antibody (ab189109)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human brain, cortex tissue labelling MAVS with ab189109 at 5 µg/ml, followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Immunocytochemistry/ Immunofluorescence - Anti-MAVS antibody (ab189109)

Immunofluorescent analysis of Mouse brain cells labelling MAVS with ab189109 at 20 µg/ml.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors