

Product datasheet

Anti-MASP1 antibody ab232945

7 Images

Overview

| | |
|----------------------------|---|
| Product name | Anti-MASP1 antibody |
| Description | Rabbit polyclonal to MASP1 |
| Host species | Rabbit |
| Tested applications | Suitable for: WB, IHC-P |
| Species reactivity | Reacts with: Mouse, Human |
| Immunogen | <p>Recombinant fragment (His-T7-tag) corresponding to Human MASP1 aa 20-447. (Expressed in E.coli).</p> <p>Sequence:</p> <p>HTVELNNMFGQIQSPGYPDSYPSDSEVTWNITVPDGFRIKL YFMHFNLES SYLCEYDYVKVETEDQVLATFCGRETTDTEQTPGQEVVLS PGSFMSITFR SDFSNEERFTGFDHYMAVDVDECKEREDEELSCDHYC HNYIGGYCSCR FGYLHTDNRTCRVECSNLTQRTGVITSPDFPNPYPKSS ECLYTIELE EGFMVNLQFEDIFDIEDHPEVPCPYDIKIKVGPVKVLGPFC GEKAPEPIS TQSHSVLILFHSDNSGENRGWRLSYRAAGNECPQLQPPV HGKIEPSQAKY FFKDQVLVSCDTGYKVLKDNVEMDTFQIECLKDGTWSNKI PTCKIVDCRA PGELEHGLITFSTRNNLTTYKSEIKYSCQEPYYKMLNNTGI YTCSAQGV WMNKVLGRSLPTCLPVCGLPKFSRKLMA</p> |

Database link: [P48740](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

Positive control IHC-P: Human bile duct cancer, skin cancer, kidney, colorectal cancer and lung cancer tissues.
 WB: HeLa cell lysate; Mouse liver lysate; Recombinant human MASP1 protein.

General notes Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

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 | pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol |
| Purity | Immunogen affinity purified |
| Purification notes | ab232945 was purified by antigen-specific affinity chromatography followed by Protein A affinity chromatography. |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

Our [Abpromise guarantee](#) covers the use of **ab232945** 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: 79 kDa. |
| IHC-P | | Use a concentration of 5 - 20 µg/ml. |

Target

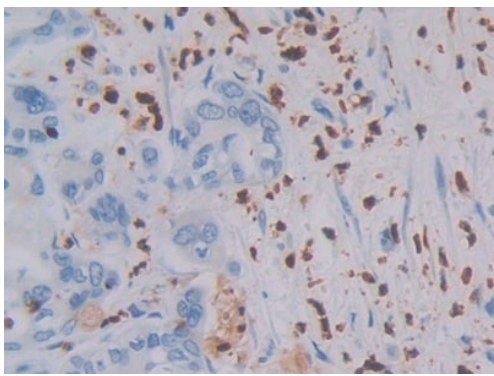
Relevance MASP is a component of the bactericidal ra-reactive factor rarf which specifically binds to RA and R2 polysaccharides expressed by certain enterobacteria. It triggers the activation of complement cascade by activating the C4 and C2 components. It activates the C4 component by cleaving the

alpha-chain of C4. The alternative-splicing product from MASP1 gene is called MASP3. MASP1 is associated with smaller MBL oligomers whereas MASP3 is found on larger oligomers. The substrate of MASP3 is unknown.

Cellular localization

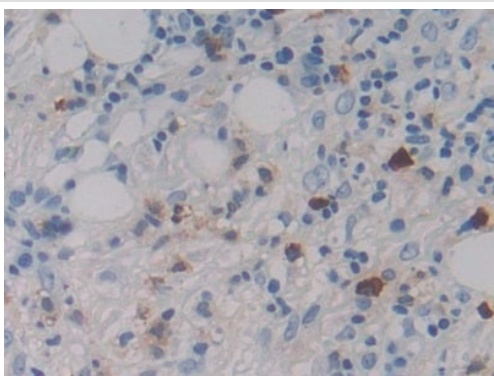
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Images



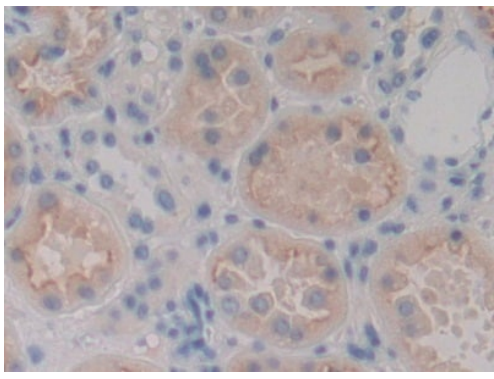
Paraffin-embedded human bile duct cancer tissue stained for MASP1 using ab232945 at 20 µg/ml in immunohistochemical analysis. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MASP1 antibody (ab232945)



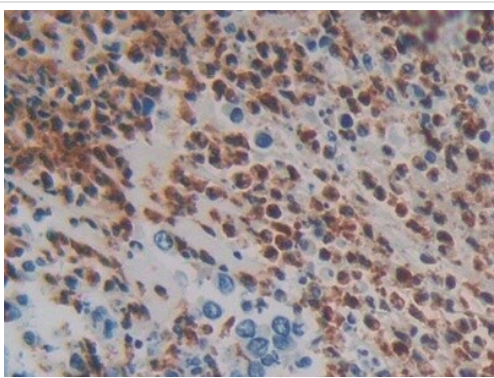
Paraffin-embedded human skin cancer tissue stained for MASP1 using ab232945 at 20 µg/ml in immunohistochemical analysis. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MASP1 antibody (ab232945)



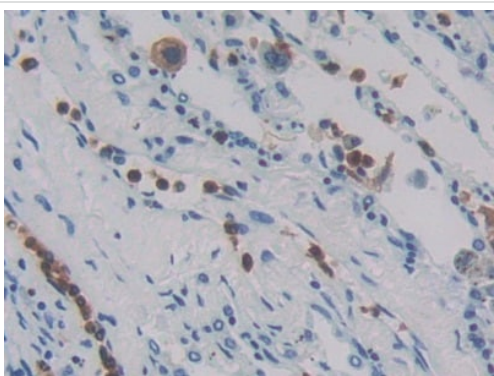
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MASP1 antibody (ab232945)

Paraffin-embedded human kidney tissue stained for MASP1 using ab232945 at 20 $\mu\text{g/ml}$ in immunohistochemical analysis. DAB staining.



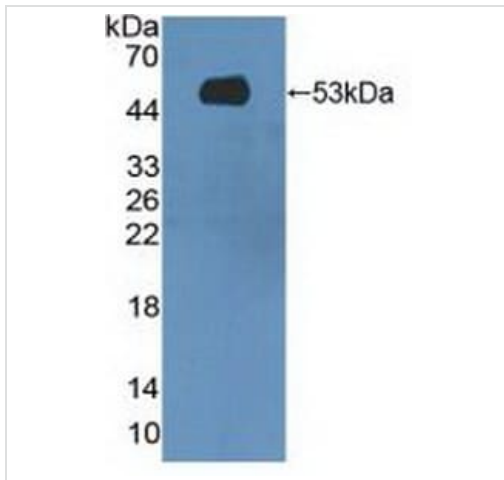
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MASP1 antibody (ab232945)

Paraffin-embedded human colorectal cancer tissue stained for MASP1 using ab232945 at 20 $\mu\text{g/ml}$ in immunohistochemical analysis. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MASP1 antibody (ab232945)

Paraffin-embedded human lung cancer tissue stained for MASP1 using ab232945 at 20 $\mu\text{g/ml}$ in immunohistochemical analysis. DAB staining.



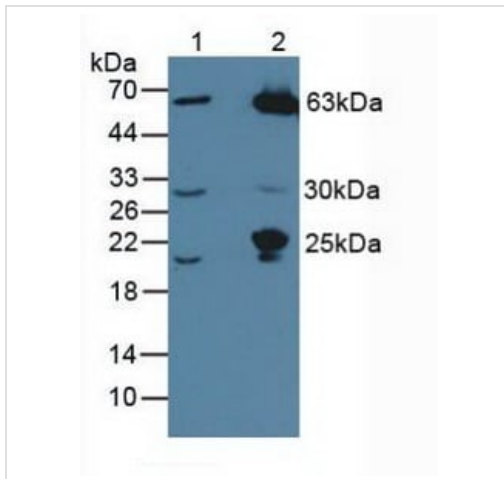
Western blot - Anti-MASP1 antibody (ab232945)

Anti-MASP1 antibody (ab232945) at 3 µg/ml + Recombinant human MASP1 protein

Secondary

HRP-Linked Guinea pig Anti-Rabbit at 1/2000 dilution

Predicted band size: 79 kDa



Western blot - Anti-MASP1 antibody (ab232945)

All lanes : Anti-MASP1 antibody (ab232945) at 3 µg/ml

Lane 1 : HeLa (human epithelial cell line from cervix adenocarcinoma) cell lysate

Lane 2 : Mouse liver lysate

Secondary

All lanes : HRP-Linked Guinea pig Anti-Rabbit at 1/2000 dilution

Predicted band size: 79 kDa

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

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