

Product datasheet

Anti-Macrophage Inflammatory Protein 3 alpha antibody ab9829

★★★★☆ [3 Abreviews](#) [37 References](#) [3 Images](#)

Overview

Product name	Anti-Macrophage Inflammatory Protein 3 alpha antibody
Description	Rabbit polyclonal to Macrophage Inflammatory Protein 3 alpha
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC, ICC/IF, IHC-FoFr, WB, ELISA, Neutralising, Sandwich ELISA
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant full length protein corresponding to Human Macrophage Inflammatory Protein 3 alpha. Highly pure (>98%) recombinant hMIP-3-alpha (human macrophage inflammatory protein-3 alpha) Database link: P78556
Positive control	IHC-P: Hepatocellular carcinoma and colon cancer tissues.
General notes	<p>This product is no longer batch tested in IHC, for an IHC validated antibody please see ab224188.</p> <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	Lyophilized:Reconstitute with 200µl of sterile water. The reconstituted antibody is stable for at least 2 weeks at 2-8C and at least 6 months at -20C
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	No preservative, sterile filtered
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	unknown

Light chain type

unknown

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab9829 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	★★★★★ (2)	Use a concentration of 4 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
ICC		Use at an assay dependent concentration. PubMed: 24633013
ICC/IF		Use at an assay dependent concentration. PubMed: 20952674
IHC-FoFr		Use at an assay dependent concentration. PubMed: 19305396
WB		Use at an assay dependent concentration. Predicted molecular weight: 10 kDa. To detect hMIP-3-alpha by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 ug/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hMIP-3-alpha is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
ELISA		Use at an assay dependent concentration. To detect hMIP-3-alpha by direct ELISA (using 100ul/well antibody solution) a concentration of at least 0.5ug/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2 - 0.4 ng/well of recombinant hMIP-3-alpha.
Neutralising		Use at an assay dependent concentration. To yield one-half maximal inhibition [ND50] of the biological activity of hMIP-3-alpha (100 ng/ml), a concentration of 15.0 - 18.0 ug/ml of this antibody is required.
Sandwich ELISA		Use at an assay dependent concentration. To detect Human MIP-3α by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with ab271284 as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant Human MIP-3α.

Target

Function

Chemotactic factor that attracts lymphocytes and, slightly, neutrophils, but not monocytes. Inhibits proliferation of myeloid progenitors in colony formation assays. May be involved in formation and function of the mucosal lymphoid tissues by attracting lymphocytes and dendritic cells towards epithelial cells. C-terminal processed forms have been shown to be equally chemotactically active

for leukocytes. Possesses antibacterial activity E.coli ATCC 25922 and S.aureus ATCC 29213.

Tissue specificity

Expressed predominantly in the liver, lymph nodes, appendix, peripheral blood lymphocytes, and fetal lung. Low levels seen in thymus, prostate, testis, small intestine and colon.

Sequence similarities

Belongs to the intercrine beta (chemokine CC) family.

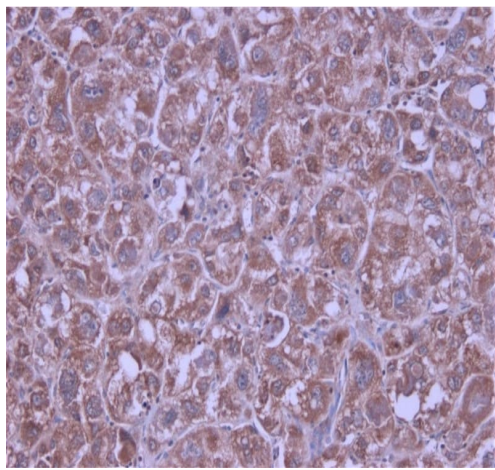
Post-translational modifications

C-terminal processed forms which lack 1, 3 or 6 amino acids are produced by proteolytic cleavage after secretion from peripheral blood monocytes.

Cellular localization

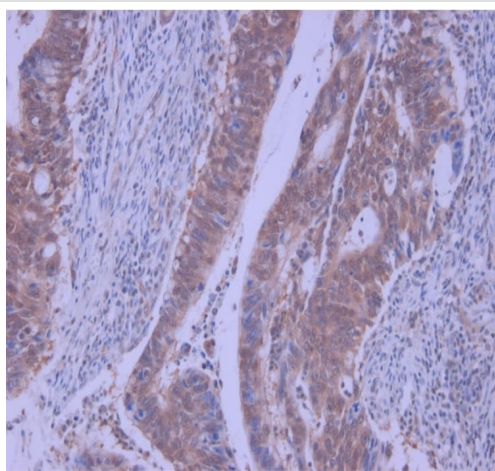
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Images



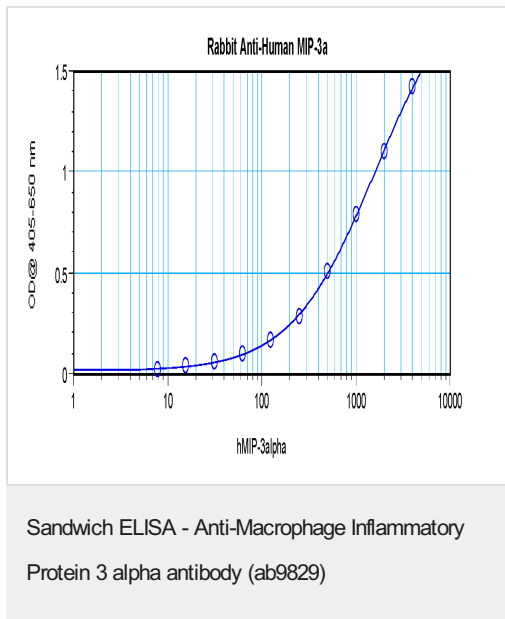
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human hepatocellular carcinoma tissue labelling Macrophage Inflammatory Protein 3 alpha with ab9829 at 4 µg/mL (45 minute incubation at room temperature). Heat mediated antigen retrieval was performed using a buffer at pH 6. An HRP-labeled polymer detection system was used with a DAB chromogen.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Macrophage Inflammatory Protein 3 alpha antibody (ab9829)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon cancer tissue labelling Macrophage Inflammatory Protein 3 alpha with ab9829 at 4 µg/mL (45 minute incubation at room temperature). Heat mediated antigen retrieval was performed using a buffer at pH 6. An HRP-labeled polymer detection system was used with a DAB chromogen.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Macrophage Inflammatory Protein 3 alpha antibody (ab9829)



ab9829 detecting Macrophage Inflammatory Protein 3 alpha using sandwich ELISA

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