abcam

Product datasheet

Anti-MCP1 antibody ab7202

2 Abreviews 99 References 2 Images

Overview

Product name	Anti-MCP1 antibody
Description	Rabbit polyclonal to MCP1
Host species	Rabbit
Tested applications	**Suitable for:** ICC/IF, IHC-P, IHC-Fr, WB, Neutralising
Species reactivity	**Reacts with:** Mouse, Rat
Immunogen	Recombinant full length protein corresponding to Rat MCP1. Database link: **P14844**
Positive control	IHC-P: LPS-treated rat lung tissue.
General notes	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. 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

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 or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 6.50 Preservative: 0.1% Sodium azide Constituent: PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab7202 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
ICC/IF		Use at an assay dependent concentration.
IHC-P		1/300.
IHC-Fr	★☆☆☆☆ (1)	Use at an assay dependent concentration. PubMed: 21088249
WB	★★★★☆ (1)	1/2000. Predicted molecular weight: 18 kDa.
Neutralising		Use at an assay dependent concentration.

Target

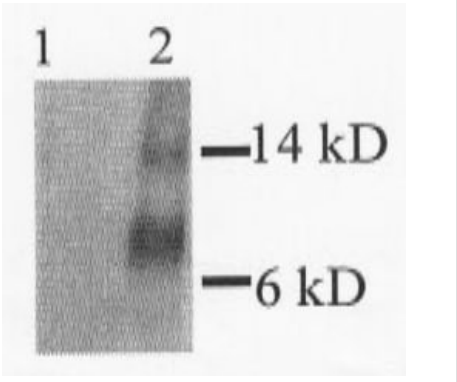
Function Chemotactic factor that attracts monocytes and basophils but not neutrophils or eosinophils. Augments monocyte anti-tumor activity. Has been implicated in the pathogenesis of diseases characterized by monocytic infiltrates, like psoriasis, rheumatoid arthritis or atherosclerosis. May be involved in the recruitment of monocytes into the arterial wall during the disease process of atherosclerosis.

Sequence similarities Belongs to the intercrine beta (chemokine CC) family.

Post-translational modifications Processing at the N-terminus can regulate receptor and target cell selectivity. Deletion of the N-terminal residue converts it from an activator of basophil to an eosinophil chemoattractant.

Cellular localization Secreted.

Images



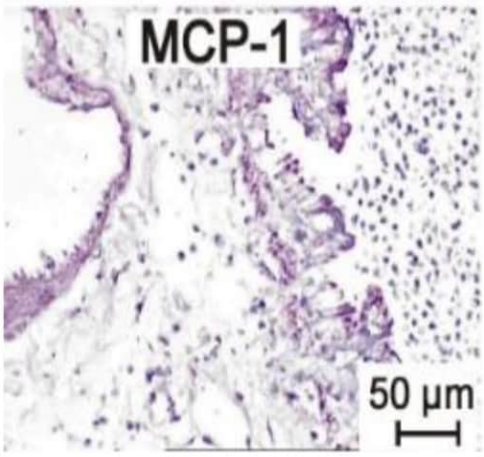
Western blot - Anti-MCP1 antibody (ab7202)

All lanes : Anti-MCP1 antibody (ab7202)

Lane 1 : LPS-stimulated RAW cell lysate
Lane 2 : Rat MCP1-transfected RAW cell lysate

Predicted band size: 18 kDa

Western blot analysis of RAW cell lysates labelling MCP1 with ab7202.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MCP1 antibody (ab7202)

Immunohistochemical analysis of paraffin-embedded LPS-treated rat lung tissue stained for MCP1 using ab7202 at 1/300 dilution.

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