

Product datasheet

Anti-CSF-1-R antibody [EPR20754] ab229188

Recombinant **RabMAb**

[2 References](#) [6 Images](#)

Overview

Product name	Anti-CSF-1-R antibody [EPR20754]
Description	Rabbit monoclonal [EPR20754] to CSF-1-R
Host species	Rabbit
Tested applications	Suitable for: IP, IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human placenta and tonsil lysates. IHC-P: Human tonsil, non-Hodgkin lymphoma and lung cancer tissues. IP: Human tonsil lysate.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR20754
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab229188 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
IP		1/30.
IHC-P		1/250. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/1000. Detects a band of approximately 108 kDa (predicted molecular weight: 108 kDa).

Target

Function

Protein tyrosine-kinase transmembrane receptor for CSF1 and IL34.

Tissue specificity

Expressed in bone marrow and in differentiated blood mononuclear cells.

Sequence similarities

Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily.

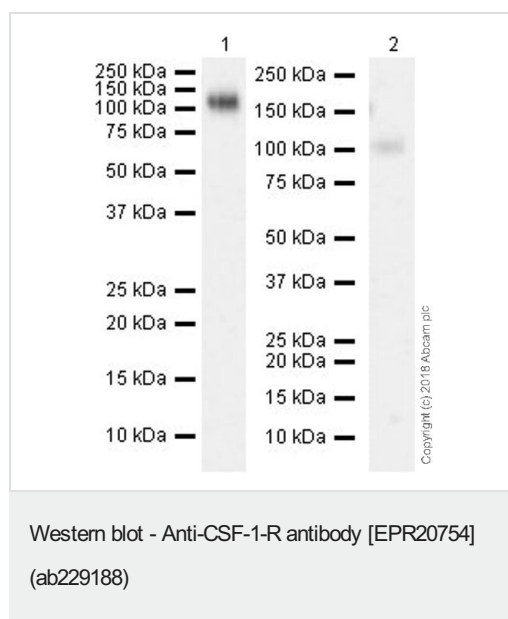
Contains 5 Ig-like C2-type (immunoglobulin-like) domains.

Contains 1 protein kinase domain.

Cellular localization

Membrane.

Images



All lanes : Anti-CSF-1-R antibody [EPR20754] (ab229188) at 1/1000 dilution

Lane 1 : Human placenta tissue lysate

Lane 2 : Human tonsil tissue lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : VeriBlot for IP Detection Reagent (HRP) (**ab131366**) at 1/1000 dilution

Developed using the ECL technique.

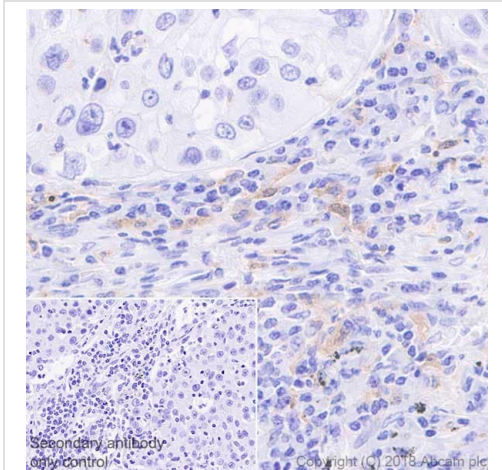
Predicted band size: 108 kDa

Observed band size: 108 kDa

Exposure time: 3 minutes

Blocking/dilution buffer: 5% NFDM/TBST.

The blot was developed on a BIO-RAD® ChemiDoc™ MP instrument.

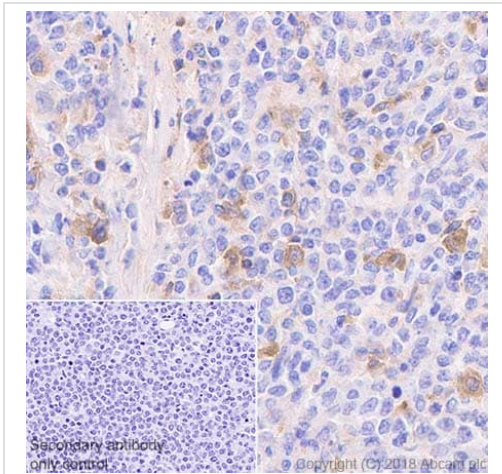


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CSF-1-R antibody [EPR20754] (ab229188)

Immunohistochemical analysis of paraffin-embedded human lung cancer tissue labeling CSF-1-R with ab229188 at 1/250 dilution, followed by Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) Ready to use. Cytoplasmic staining in macrophages infiltrating human lung cancer is observed. Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) Ready to use.

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

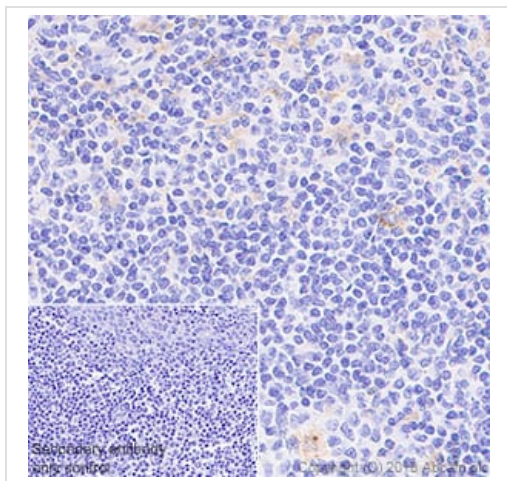


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CSF-1-R antibody [EPR20754] (ab229188)

Immunohistochemical analysis of paraffin-embedded human non-Hodgkin lymphoma tissue labeling CSF-1-R with ab229188 at 1/250 dilution, followed by Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) Ready to use. Cytoplasmic and membranous staining of human non-Hodgkin lymphoma cells is observed. Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) Ready to use.

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

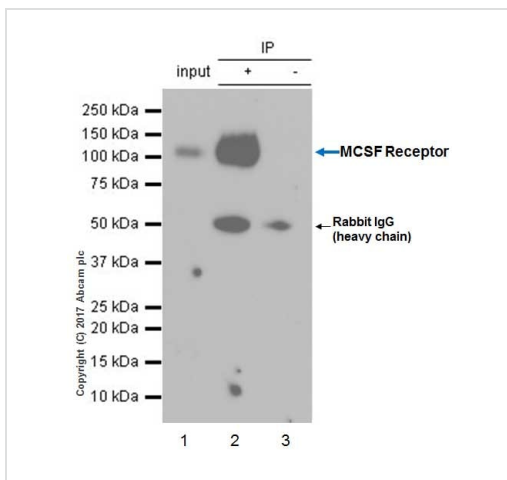


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CSF-1-R antibody [EPR20754] (ab229188)

Immunohistochemical analysis of paraffin-embedded human tonsil tissue labeling CSF-1-R with ab229188 at 1/250 dilution, followed by Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)) Ready to use. Cytoplasmic staining in macrophages of human tonsil (PMID: 26066800) is observed. Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)) Ready to use.

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-CSF-1-R antibody [EPR20754] (ab229188)

CSF-1-R was immunoprecipitated from 0.35 mg of human tonsil lysate with ab229188 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab229188 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/1000 dilution.

Lane 1: Human tonsil lysate 10 µg (Input).

Lane 2: ab229188 IP in human tonsil lysate.

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab229188 in human tonsil lysate.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 3 minutes.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-CSF-1-R antibody [EPR20754] (ab229188)

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

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