abcam

Product datasheet

Anti-CSF-1-R antibody [EPR23529-26] ab254357

Recombinant RabMAb

1 References 6 Images

Overview

Product name	Anti-CSF-1-R antibody [EPR23529-26]
Description	Rabbit monoclonal [EPR23529-26] to CSF-1-R
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P, ICC/IF, IP **Unsuitable for:** Flow Cyt
Species reactivity	**Reacts with:** Mouse
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: RAW 264.7, J774A.1 and Mouse spleen, Mouse placenta lysates. IHC-P: Mouse spleen, Mouse liver tissues. ICC/IF: RAW 264.7 cells. IP: RAW 264.7 cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

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: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR23529-26

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab254357 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		1/1000. Predicted molecular weight: 108 kDa.
IHC-P		1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100.
IP		1/30.

Application notes Is unsuitable for Flow Cyt.

Target

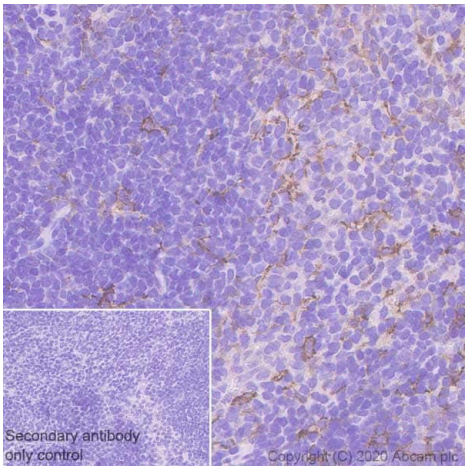
Function Protein tyrosine-kinase transmembrane receptor for CSF1 and IL34.

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

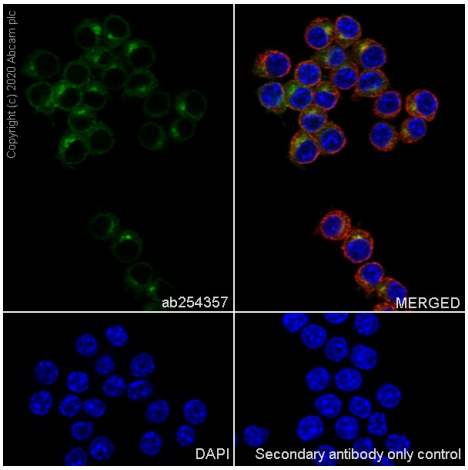


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CSF-1-R antibody [EPR23529-26] (ab254357)

Immunohistochemical analysis of paraffin-embedded Mouse spleen tissue labeling CSF-1-R with ab254357 at 1/100 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining on macrophages in mouse spleen. The section was incubated with ab254357 for 30 mins at room temperature.The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

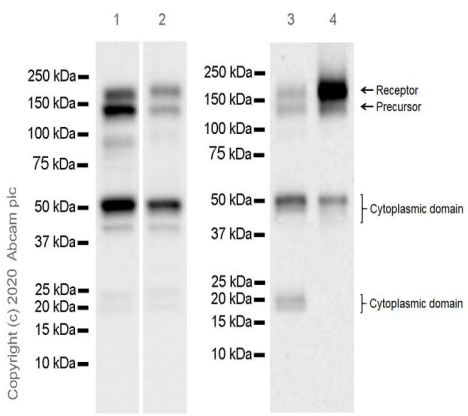
Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins



Immunocytochemistry/ Immunofluorescence - Anti-CSF-1-R antibody [EPR23529-26] (ab254357)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized RAW264.7 cells labelling CSF-1-R with ab254357 at 1/100 dilution, followed by **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (Green). Confocal image showing cytoplasmic staining in RAW 264.7 cell line Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 dilution (Red). The Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.



Western blot - Anti-CSF-1-R antibody [EPR23529-26] (ab254357)

All lanes : Anti-CSF-1-R antibody [EPR23529-26] (ab254357) at 1/1000 dilution

Lane 1 : RAW 264.7 (mouse abelson murine leukemia virus-induced tumor macrophage) whole cell lysate
Lane 2 : J774A.1 (mouse reticulum cell sarcoma monocyte macrophage) whole cell lysate
Lane 3 : Mouse spleen tissue lysate
Lane 4 : Mouse placenta tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at

1/100000 dilution

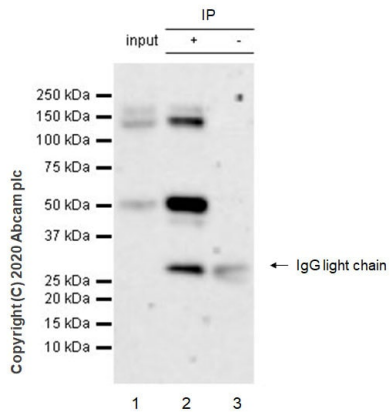
Predicted band size: 108 kDa

Blocking and dilution buffer: 5% NFDM/TBST.

Exposure times.

Lanes 1-2: 70 seconds; Lanes 3-4: 3 minutes.

The expression profile and molecular weight observed is consistent with what has been described in the literature (PMID:14673177)
This blot was developed using a higher sensitivity ECL substrate.



Immunoprecipitation - Anti-CSF-1-R antibody [EPR23529-26] (ab254357)

CSF-1-R was immunoprecipitated from 0.35 mg RAW 264.7 (mouse abelson murine leukemia virus-induced tumor macrophage) whole cell lysate with ab254357 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab254357 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP)(**ab131366**) was used at 1/5000 dilution.

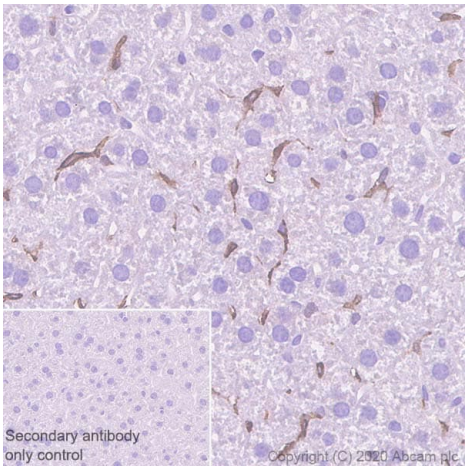
Lane 1: RAW 264.7 (mouse abelson murine leukemia virus-induced tumor macrophage) whole cell lysate 10 ug

Lane 2: ab254357 IP in RAW 264.7 whole cell lysate

Lane 3:Rabbit monoclonal IgG (**ab172730**) instead of ab254357 in RAW 264.7 whole cell lysate

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

Exposure time: 128 seconds.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CSF-1-R antibody [EPR23529-26] (ab254357)

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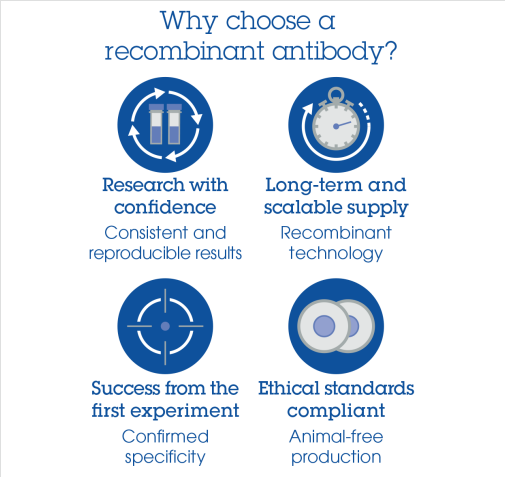

Anti-CSF-1-R antibody [EPR23529-26] (ab254357)

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