

Product datasheet

Anti-VEGF Receptor 3 antibody [EPR22293-14] ab243232

Recombinant RabMAb

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

Overview

Product name	Anti-VEGF Receptor 3 antibody [EPR22293-14]
Description	Rabbit monoclonal [EPR22293-14] to VEGF Receptor 3
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HEL whole cell lysate.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 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	EPR22293-14
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab243232 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. Detects a band of approximately 175, 125, 80 kDa (predicted molecular weight: 146 kDa).

Application notes

Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

Target

Function

Receptor for VEGFC. Has a tyrosine-protein kinase activity.

Tissue specificity

Placenta, lung, heart, and kidney, does not seem to be expressed in pancreas and brain.

Involvement in disease

Defects in FLT4 are the cause of lymphedema hereditary type 1A (LMPH1A) [MIM:153100]; also known as Nonne-Milroy lymphedema or Milroy disease. Hereditary lymphedema is a chronic disabling condition which results in swelling of the extremities due to altered lymphatic flow. Patients with lymphedema suffer from recurrent local infections and physical impairment. Note=Defects in FLT4 are found in juvenile hemangioma. Juvenile hemangiomas are the most common tumors of infancy, occurring as many as 10% of all births. These benign vascular lesions enlarge rapidly during the first year of life by hyperplasia of endothelial cells and attendant pericytes, and then spontaneously involute over a period of years, leaving loose fibrofatty tissue.

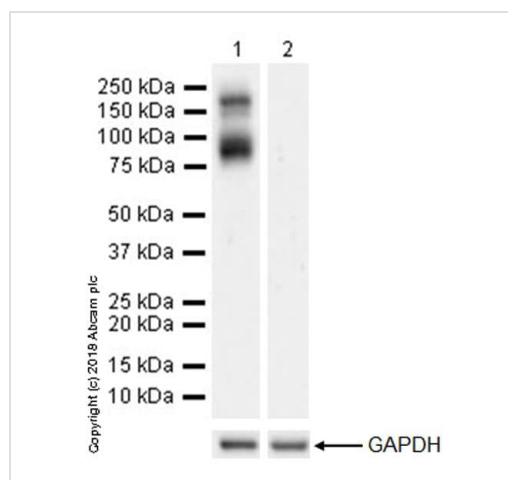
Sequence similarities

Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily.
Contains 7 Ig-like C2-type (immunoglobulin-like) domains.
Contains 1 protein kinase domain.

Cellular localization

Membrane.

Images



Western blot - Anti-VEGF Receptor 3 antibody [EPR22293-14] (ab243232)

All lanes : Anti-VEGF Receptor 3 antibody [EPR22293-14] (ab243232) at 1/1000 dilution

Lane 1 : HEL (human erythroleukemia erythroblast cell line) whole cell lysate

Lane 2 : MCF7 (human breast adenocarcinoma cell line) whole cell 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: 146 kDa

Observed band size: 125,175,80 kDa

Exposure time: 3 minutes

Blocking/Diluting buffer and concentration: 5% NFD/MTBST

This blot was developed using a higher sensitivity ECL substrate.

The molecular weight observed is consistent with the literatures (PMID: 18538738, PMID: 7692369, PMID: 14648657).

Negative control: MCF7 (PMID: 18538738).

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-VEGF Receptor 3 antibody [EPR22293-14]
(ab243232)

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

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