

Product datasheet

Anti-VEGF Receptor 3 antibody [44CT92.4.4] ab72240

★★★★☆ 1 Abreviews 2 References 2 Images

Overview

Product name	Anti-VEGF Receptor 3 antibody [44CT92.4.4]
Description	Mouse monoclonal [44CT92.4.4] to VEGF Receptor 3
Host species	Mouse
Tested applications	Suitable for: WB, ELISA, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to Human VEGF Receptor 3.
Positive control	VGFR3 recombinant fragment and human lung carcinoma tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium Azide Constituents: PBS
Purity	Protein G purified
Purification notes	ab72240 is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Clonality	Monoclonal
Clone number	44CT92.4.4
Isotype	IgG1
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab72240** 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		1/2000. Detects a band of approximately 50 kDa (predicted molecular weight: 146 kDa).
ELISA		1/1000.
IHC-P	★★★★☆	1/10 - 1/50.

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.

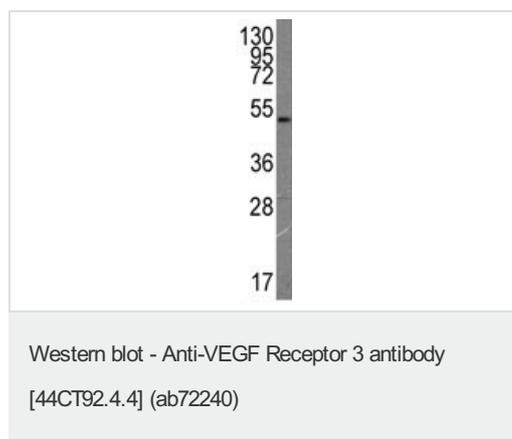
Contains 7 Ig-like C2-type (immunoglobulin-like) domains.

Contains 1 protein kinase domain.

Cellular localization

Membrane.

Images

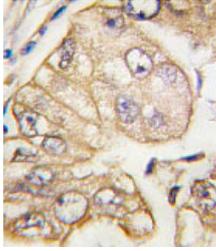


Anti-VEGF Receptor 3 antibody [44CT92.4.4] (ab72240) at 1/2000 dilution + VGFR3 recombinant fragment

Predicted band size: 146 kDa

Observed band size: 50 kDa

The molecular weight of the band on the western blot does not correspond to the molecular weight of the natural protein because only a fragment of the protein was used.



ab72240 at 1/10 dilution, staining VEGF Receptor 3 in human lung carcinoma by Immunohistochemistry, Formalin-fixed, Paraffin-embedded tissue, followed by peroxidase-conjugated secondary antibody and DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VEGF Receptor 3 antibody [44CT92.4.4] (ab72240)

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