


Product datasheet

Anti-VEGF Receptor 1 (phospho Y1048) antibody ab192802

★★★★★ [1 Abreviews](#) [1 Image](#)

Overview

Product name	Anti-VEGF Receptor 1 (phospho Y1048) antibody
Description	Rabbit polyclonal to VEGF Receptor 1 (phospho Y1048)
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide corresponding to Human VEGF Receptor 1 (phospho Y1048) conjugated to Keyhole Limpet Haemocyanin (KLH). Peptide sequence around phosphorylation site of tyrosine 1048 (D-I-Y(p)-K-N). Database link: <u>P17948</u>
Positive control	Human brain tissue.
General notes	<p>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.</p> <p>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</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	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 0.87% Sodium chloride, 50% Glycerol (glycerin, glycerine), 49% PBS
Purity	Immunogen affinity purified
Purification notes	ab192802 was purified by affinity-chromatography using epitope-specific phosphopeptide. Non-

phospho specific antibodies were removed by chromatography using non-phosphopeptide.

Clonality

Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab192802 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
IHC-P		1/50 - 1/100.

Target

Function

Receptor for VEGF, VEGFB and PGF. Has a tyrosine-protein kinase activity. The VEGF-kinase ligand/receptor signaling system plays a key role in vascular development and regulation of vascular permeability. Isoform sFlt1 may have an inhibitory role in angiogenesis.

Tissue specificity

Mostly in normal lung, but also in placenta, liver, kidney, heart and brain tissues. Specifically expressed in most of the vascular endothelial cells, and also expressed in peripheral blood monocytes. Isoform sFlt1 is strongly expressed in placenta.

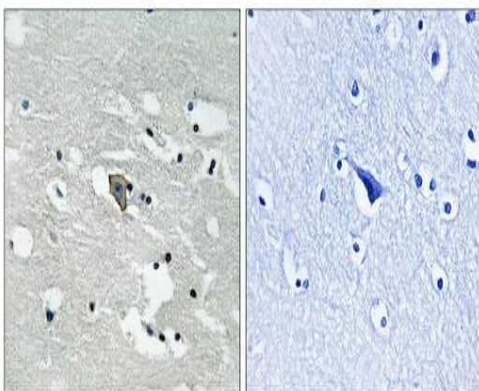
Sequence similarities

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

Secreted and Cell membrane.

Images



Immunohistochemical analysis of paraffin-embedded human brain tissue labeling VEGF Receptor 1 (phospho Y1048) with ab192802 at 1/50 (left) or ab192802 preincubated with blocking peptide (right).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VEGF Receptor 1 (phospho Y1048) antibody (ab192802)

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

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