Datasheet: AHP1327

BATCH NUMBER 156796

Description:	RABBIT ANTI HUMAN VEGF RECEPTOR 2
Specificity:	VEGF RECEPTOR 2
Other names:	KDR
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			10ug/ml
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	
Functional Assays			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1)**This product requires antigen retrieval using heat treatment prior to staining of paraffin sections.Sodium citrate buffer pH 6.0 is recommended for this purpose.**

Target Species Human

Product Form Purified IgG - liquid

Antiserum Preparation Antisera to human VEGF receptor 2 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution Phosphate buffered saline

Preservative Stabilisers	0.1% Sodium Azide (NaN_3)
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Synthetic peptide corresponding to an internal domain of human VEGF receptor 2, conjugated to Keyhole Limpet Hemocyanin (KLH).
External Database Links	**UniProt:** P35968 Related reagents **Entrez Gene:** 3791 KDR Related reagents
Synonyms	FLK1
RRID	AB_906168
Specificity	**Rabbit anti Human VEGF receptor 2 antibody** detects vascular endothelial growth factor receptor 2 (VEGFR2), a member of the tyrosine kinase family that plays an essential role in transducing the major signals for angiogenesis. VEGFR2 has also been implicated in embryonic development, wound healing, cell proliferation, migration and differentiation. VEGFR2 is expressed mostly on vascular endothelial cells, and is expressed on a subpopulation of haematopoietic cells which might be the progenitor for endothelial cells. Mutated forms of VEGFR2 have been implicated in cancer and diabetic retinopathy, where it results in pathological angiogenesis.
Histology Positive Control Tissue	Breast carcinoma.
References	1. Shibuya, M. (2006) Differential roles of vascular endothelial growth factor receptor-1 and receptor-2 in angiogenesis. J Biochem Mol Biol. 39 (5): 469-78. 2. Hjelmgren, O. *et al.* (2016) Increased Vascularization in the Vulnerable Upstream Regions of Both Early and Advanced Human Carotid Atherosclerosis. PLoS One. 11 (12): e0166918.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch

Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/AHP1327 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (Fc) (STAR121...) Biotin, FITC, HRP
Goat Anti Rabbit IgG (H/L) (STAR124...) HRP
Sheep Anti Rabbit IgG (STAR35...) RPE

Recommended Useful Reagents

ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025A)

North & South America Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com

Europe Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M363900:200529'

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