

AB-NK245-2

VEGFR2-2 Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-tyrosine kinase VEGFR2 (KDR)



KINEXUS

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

Name Long:	Vascular endothelial growth factor receptor 2 ; Vascular endothelial growth factor receptor-tyrosine kinase 2 (Flk1)
Alias:	A type III receptor tyrosine kinase; CD309; FLK1; Kinase insert domain receptor; Protein-tyrosine kinase receptor Flk-1; Vascular endothelial growth factor receptor 2; VEGFR; VEGFR2; VGR2; CD309; CCDS3497.1; ENSG00000128052
UniProt ID:	P35968
Sequence Predicted Mass (KDa):	151.527 (1356 AA; P35968); 79.634 (712 AA; P35968-3); 75.896 (678 AA; P35968-2)
Observed SDS-PAGE Mass (KDa):	170-200

Immunogen

Antibody Immunogen Source:	Human VEGFR2 (KDR) sequence peptide Cat. No.: PE-01AVN85
Antibody Immunogen Sequence:	CLMTKKNSTFVRVHEK
Location in Target:	Corresponds to amino acid residues L313 to K327; In the extracellular domain of the receptor.
Peptide Type:	For pan-specific recognition of target expression levels.
Target Phosphosite:	Not phosphorylated

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	Immunoglobulin G
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipепptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from each animal was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris.
Antibody Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	140724
Storage Buffer:	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerasol
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

AB-NK245-2

VGFR2-2 Antibody



KINEXUS

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Applications

Product Use:	Western blotting Antibody microarrays
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human, mouse, rat and many other mammals
Antibody Positive Controls:	Strong immunoreactivity with recombinant human VEGFR2 on protein dot blots.
Overall Antibody Specificity:	High selectivity
Antibody Cross Reactivities:	No immunoreactivity on protein dot blots with recombinant human VEGFR1 and VEGFR3.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-866-KINEXUS(546-3987)