

Product Datasheet

VEGFR2/KDR/Flk-1 Antibody [DyLight 488] NB100-2382G

Unit Size: 0.1 ml

Store at 4C in the dark.

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NB100-2382G

VEGFR2/KDR/FIk-1 Antibody [DyLight 488]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Conjugate	DyLight 488
Purity	Immunogen affinity purified
Buffer	50mM Sodium Borate
Product Description	
Host	Rabbit
Gene ID	3791
Gene Symbol	KDR
Species	Human, Rat, Hamster
Reactivity Notes	Human. Predicted to react with mouse based on 100% sequence homology. Immunogen sequence has 79% homology to rat. Hamster reactivity reported in scientific literature (PMID: 23763710). Rat reactivity reported in scientific literature (PMID: 27832737).
Marker	Endothelial Cell Marker
Specificity/Sensitivity	This has only been shown to recognize the native form (180-190 kDa protein) of VEGFR-2, known as FIk-1/KDR/VEGFR 2 (Vascular Endothelial Growth Factor Receptor 2), though it was raised against the precursor form.
Immunogen	A synthetic peptide made to a C-terminal region of the mouse VEGF Receptor 2 protein (between residues 1300-1367). [Swiss-Prot# P35918]
Notes	Dylight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence
Recommended Dilutions	Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence
Application Notes	This VEGF Receptor 2 antibody is useful for Immunocytochemistry/Immunofluorescence and Western blot, where a doublet is seen at ~150 kDa with CSF-1R/VEGFR2 chimera transfected lysates representing VEGFR-2. A non-specific band is also seen at ~85 kDa. In ICC/IF punctate membrane staining was observed in Hela cells. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors. Use in FLOW cytometry reported in scientific literature (PMID 27832737)



Publications

Zhou J, Rogers J, Lee S et al. Oral mucosa harbors a high frequency of endothelial cells - a novel postnatal cell source for angiogenic regeneration. *Stem Cells Dev.* 2016-11-10 [PMID: 27832737] (FLOW, Rat)

Details:

This citation used the DyLight 488 version of this antibody.

Roan JN, Fang SY, Chang SW et al. Rosuvastatin improves vascular function of arteriovenous fistula in a diabetic rat model. *J Vasc Surg* 2012-06-22 [PMID: 22727844] (FLOW, Rat)

Details:

Using the DyLight 488 conjugated version of NB100-2382, catalog number NB100-2382G.





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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