

Anti-VEGFR-2 (Tyr-801) [conserved site], Phosphospecific Antibody

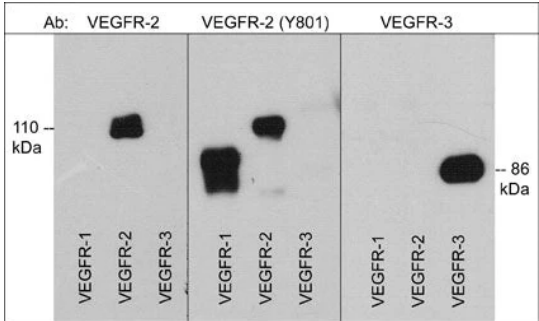


Product Details

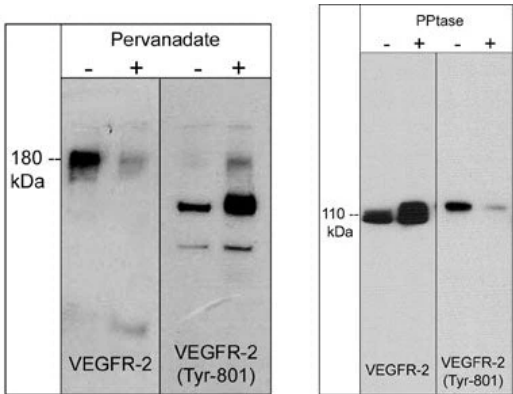
Available Variants	100 µL (SKU:VP2921)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	KDR
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:1000 ICC: 1:100
Species Reactivity	Human, Mouse, Rat
Immunogen	Phospho-VEGFR-2 (Tyr-801) peptide (coupled to carrier protein) corresponding to amino acids surrounding Tyr-801 in human VEGFR-2. This sequence has high homology to the conserved site in rat and mouse VEGFR-2, and has significant homology to the conserved sites in VEGFR-1 (Tyr-794) and VEGFR-3 (Tyr-812).
Specificity	The antibody detects a 180 kDa* band corresponding to VEGFR-2 in western blots of human endothelial cells treated with pervanadate, and shows strong reactivity toward recombinant human VEGFR-2. This reactivity is removed by alkaline phosphatase treatment. In addition, the antibody detects the conserved site in VEGFR-1 (Tyr-794). The antibody also works for immunofluorescent staining of VEGFR-2 in HUVEC cells.
Molecular Weight	180

Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
UniProt ID	P35968
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Tyr-801

Product Images



Western blot image of GST-recombinant human VEGFR-1 (89 kDa), VEGFR-2 (110 kDa), and VEGFR-3 (86 kDa) C-terminal regions. The blots were probed with rabbit polyclonal anti-VEGFR-2 (a.a. 1304-1317), anti-VEGFR-2 (Tyr-801, conserved site), and anti-VEGFR-3 (a.a. 1285-1298).



Left: Western blot image of HUVEC cells untreated (-) or treated with pervanadate (1 mM) for 30 min. (+). Right: Western blot image of GST-recombinant VEGFR-2 kinase without (-) or with (+) alkaline phosphatase treatment. Both sets of blots were probed with rabbit polyclonal anti-VEGFR-2 (a.a. 1304-1317) or anti-VEGFR-2 (Tyr-801).

Product Page URL: www.antibodiesinc.com/products/anti-vegfr-2-tyr-801-conserved-site-phosphospecific-antibody-vp2921



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