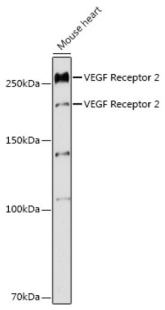
# Vascular Endothelial Growth Factor Receptor 2 / VEGFR2 (KDR) Antibody

Catalogue No.:abx004288




Western blot analysis of lysates from Mouse heart, using VEGF Receptor 2 Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 180s.

Vascular Endothelial Growth Factor Receptor 2 / VEGFR2 (KDR) Antibody is a Rabbit Polyclonal antibody against Vascular Endothelial Growth Factor Receptor 2 / VEGFR2 (KDR). Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. This gene encodes one of the two receptors of the VEGF. This receptor, known as kinase insert domain receptor, is a type III receptor tyrosine kinase. It functions as the main mediator of VEGF-induced endothelial proliferation, survival, migration, tubular morphogenesis and sprouting. The signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nucleotide receptor, integrin alphaVbeta3, T-cell protein tyrosine phosphatase, etc. Mutations of this gene are implicated in infantile capillary hemangiomas.

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| **Target:** | Vascular Endothelial Growth Factor Receptor 2 / VEGFR2 (KDR) |
| **Clonality:** | Polyclonal |
| **Reactivity:** | Human, Mouse, Rat |
| **Tested Applications:** | ELISA, WB |
| **Host:** | Rabbit |
| **Recommended dilutions:** | ELISA: 1 µg/ml, WB: 1/500 - 1/1000. Optimal dilutions/concentrations should be determined by the end user. |
| **Conjugation:** | Unconjugated |
| **Immunogen:** | Synthetic peptide corresponding to KDR. The exact sequence is proprietary. |
| **Isotype:** | IgG |
| **Form:** | Liquid |
| **Purification:** | Purified by affinity chromatography. |
| **Storage:** | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles. |




Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com

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|---|---|
| **UniProt Primary AC:** | P35968 (UniProt, ExPASy) |
| **Gene Symbol:** | KDR |
| **GeneID:** | 3791 |
| **NCBI Accession:** | NP_002244.1 |
| **KEGG:** | hsa:3791 |
| **String:** | 9606.ENSP00000263923 |
| **Enzyme Commission Number:** | EC 2.7.10.1, EC 2.7.10 |
| **Molecular Weight:** | Calculated MW: 152 kDa<br>Observed MW: 210/230 kDa |
| **Buffer:** | PBS, pH 7.3, containing 0.09% sodium azide, 50% glycerol. |
| **Concentration:** | > 0.2 mg/ml |
| **Note:** | THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION. |




Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com