



# Anti-KDR polyclonal antibody [Biotin] (DPABY-467)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	View VEGF R2 IHC images.
<b>Specificity</b>	Detects mouse VEGFR2/KDR/Flk-1 in ELISAs and Western blots. In sandwich ELISAs, less than 0.5% cross-reactivity with recombinant human VEGFR2, recombinant mouse (rm) VEGF164, rmVEGF R1, rmVEGF R3, rmVEGF-B, and rmVEGF-D is observed.
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse VEGF R2/KDR/Flk-1. Ala20-Glu762 Accession Number P35918
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Mouse
<b>Purification</b>	Antigen Affinity-purified
<b>Conjugate</b>	Biotin
<b>Applications</b>	Western Blot, Flow Cytometry, ELISA Detection (Matched Pair)
<b>Format</b>	Liquid
<b>Size</b>	50 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
<b>Preservative</b>	None
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied.

1 month, 2 to 8 °C under sterile conditions after reconstitution.  
6 months, -20 to -70 °C under sterile conditions after reconstitution.

## GENE INFORMATION

Gene Name	<a href="#">Kdr kinase insert domain protein receptor [ Mus musculus (house mouse) ]</a>
Official Symbol	KDR
Synonyms	KDR; kinase insert domain protein receptor; Flk1; Ly73; Flk-1; Krd-1; VEGFR2; VEGFR-2; sVEGFR-2; 6130401C07; vascular endothelial growth factor receptor 2; kinase NYK; VEGF receptor-2; fetal liver kinase 1; protein-tyrosine kinase receptor flk-1; vascular
Entrez Gene ID	<a href="#">16542</a>
Protein Refseq	<a href="#">NP_034742</a>
UniProt ID	<a href="#">Q8VCD0</a>
Chromosome Location	5 C3.3; 5 40.23 cM
Pathway	Cytokine-cytokine receptor interaction; Endocytosis; Extracellular matrix organization; Focal adhesion; Id Signaling Pathway; Integrin cell surface interactions; Neurophilin interactions with VEGF and VEGFR; PI3K-Akt signaling pathway;
Function	ATP binding; growth factor binding; integrin binding; kinase activity; nucleotide binding; protein binding; protein kinase activity; protein tyrosine kinase activity; transferase activity; transferase activity, transferring phosphorus-containing groups; t