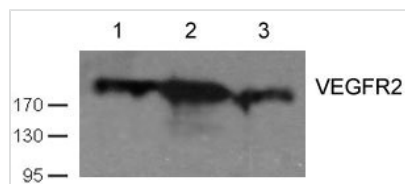


# KDR (Ab-1059) Antibody

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>        | CSB-PA070091                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage</b>             | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Uniprot No.</b>         | P35968                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen</b>           | Peptide sequence around aa. 1057~1061 (P-D-Y-V-R) derived from Human VEGFR2.                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Raised In</b>           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species Reactivity</b>  | Human,Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Specificity</b>         | The antibody detects endogenous levels of total VEGFR2 protein.                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Tested Applications</b> | ELISA,WB;WB:1:500-1:1000                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Relevance</b>           | Receptor for VEGF or VEGFC. Has a tyrosine-protein kinase activity. The VEGF-kinase ligand/receptor signaling system plays a key role in vascular development and regulation of vascular permeability. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesionsZeng H, et al. (2001) J Biol Chem. 276(35): 32714-32719.Dougher M, et al. (1999) Oncogene. 18(8): 1619-1627. |
| <b>Form</b>                | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                                                                                                                                                                                                  |
| <b>Purification Method</b> | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.                                                                                                                                                                                                                                                                                 |
| <b>Clonality</b>           | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Alias</b>               | FLK1; KDR; VGFR2; VGR2; kinase insert domain receptor                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Product Type</b>        | Polyclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>             | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Target Names</b>        | KDR                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Image



Western blot analysis of cell lysates using VEGFR2(Ab-1059) antibody Lane 1 and 2: Huvec cell; Lane 3 HT29 cell)