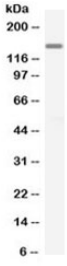
KDR Antibody / Kinase Insert Domain Receptor / VEGFR2 (R32082)

Catalog No.	Formulation	Size
R32082	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P35968
Localization	Cytoplasmic and cell surface
Applications	Western Blot : 0.1-0.5ug/ml
Limitations	This KDR antibody is available for research use only.



Western blot testing of human MCF7 cell lysate with KDR antibody. Predicted molecular weight: ~152 (immature), 180-200 kDa (intermediate) and 220-230 kDa (mature).

Description

KDR (Kinase Insert Domain Receptor), also known as FLK1, VEGFR or VEGFR2, is a VEGF receptor. KDR is the human gene encoding it. Sait et al. (1995) likewise corrected the assignment to chromosome 4q11-q12 to the same region occupied also by PDGFRA and KIT, thus indicating the location of a cluster of receptor tyrosine kinase genes. Vascular endothelial growth factor (VEGF) is the only mitogen that specifically acts on endothelial cells. Its expression is upregulated by hypoxia, and its cell-surface receptor, known as fetal liver kinase-1 (Flk1) in mouse, is exclusively

expressed in endothelial cells (Plate et al., 1993). Flk1 is the mouse homolog of KDR (Matthews et al., 1991).

Application Notes

Optimal dilution of the KDR antibody should be determined by the researcher.

Immunogen

Amino acids LDLPRLSIQKDILTIKANTTLQITCRGQRDLD of human KDR were used as the immunogen for the KDR antibody.

Storage

After reconstitution, the KDR antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.