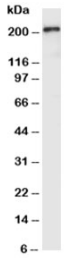
VEGFR2 Antibody (R31095)

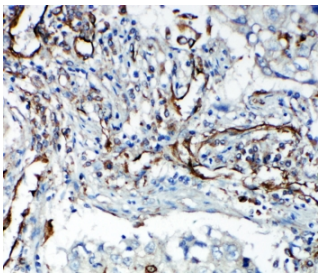
Catalog No.	Formulation	Size
R31095	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

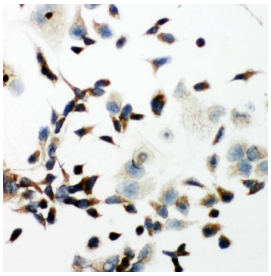
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P35968
Localization	Cytoplasmic and cell surface
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 0.5-1ug/ml Immunohistochemistry (Frozen): 0.5-1ug/ml Immunocytochemistry: 0.5-1ug/ml
Limitations	This VEGFR2 antibody is available for research use only.



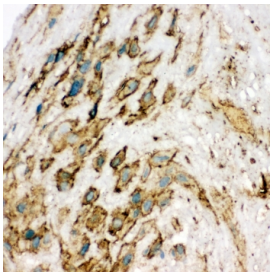
Western blot testing with VEGFR2 antibody and SMMC-7721 lysate. Predicted molecular weight: ~152 (immature), 180-200 kDa (intermediate) and 220-230 kDa (mature).



IHC-P: VEGFR2 antibody testing of human lung cancer tissue



ICC testing of VEGFR2 antibody and HeLa cells



IHC-F testing of VEGFR2 antibody and human placenta tissue

Description

KDR (Kinase Insert Domain Receptor), also known as FLK1, VEGFR 2 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).

For another antibody targeting the same receptor, see our VEGFR2 Antibody / KDR Polyclonal Antibody.

Application Notes

The stated application concentrations are suggested starting points. Titration of the VEGFR2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human VEGF Receptor 2 (HHIHWYWQLEEECANE) was used as the immunogen for this VEGFR2 antibody.

Storage

After reconstitution, the VEGFR2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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