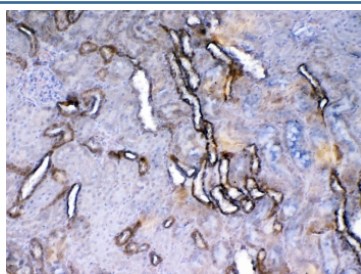


Vegf receptor 2 Antibody / Vegfr2 (RQ4055)

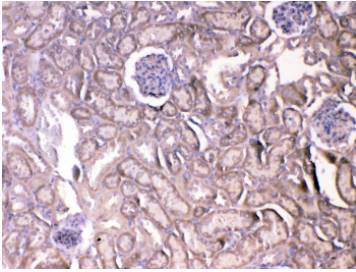
Catalog No.	Formulation	Size
RQ4055	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P35918
Localization	Cell junction, cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Immunofluorescence (FFPE) : 2-4ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This Vegf receptor 2 antibody is available for research use only.



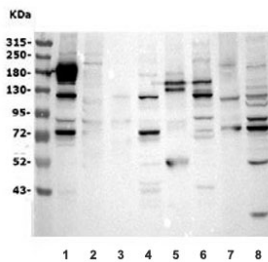
IHC testing of FFPE rat kidney tissue with Vegf receptor 2 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



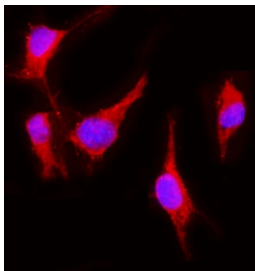
IHC testing of FFPE mouse kidney tissue with Vegf receptor 2 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



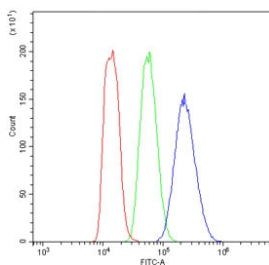
Western blot testing of recombinant mouse Vegfr2 protein with Vegf receptor 2 antibody at 0.5ug/ml.



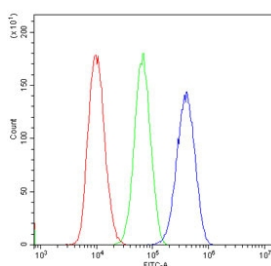
Western blot testing of mouse 1) heart, 2) thymus, 3) spleen, 4) kidney, 5) brain, 6) lung, 7) HEPA1-6 and 8) NIH 3T3 lysate with Vegf receptor 2 antibody. Predicted molecular weight: ~152 (immature), 180-200 kDa (intermediate) and 220-230 kDa (mature).



Immunofluorescent staining of FFPE human NIH 3T3 cells with Vegf receptor 2 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Flow cytometry testing of human MCF7 cells with Vegf receptor 2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Vegf receptor 2 antibody.



Flow cytometry testing of human LLC1 cells with Vegf receptor 2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Vegf receptor 2 antibody.

Description

KDR (Kinase Insert Domain Receptor), also known as FLK1, VEGFR or VEGFR2, is a VEGF receptor. KDR is the human gene encoding it. 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. Flk1 is the mouse homolog of KDR.

Application Notes

Optimal dilution of the Vegf receptor 2 antibody should be determined by the researcher.

Immunogen

A recombinant mouse partial protein corresponding to amino acids A20-L244 was used as the immunogen for the Vegf receptor 2 antibody.

Storage

After reconstitution, the Vegf receptor 2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.