VEGFA Antibody (RQ4390)

Catalog No.	Formulation	Size
RQ4390	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	Q00731
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml (recombinant mouse protein) (BSA-free format available)
Limitations	This VEGFA antibody is available for research use only.



Western blot testing of 1) mouse thymus, 2) mouse HEPA1-6 and 3) rat C6 cell lysate with VEGFA antibody at 0.5ug/ml. Expected molecular weight 19~22 kDa (monomer) and 38~44 kDa (dimer). Banding may appear larger than predicted due to glycosylation.

Description

Growth factor active in angiogenesis, vasculogenesis and endothelial cell growth. Induces endothelial cell proliferation, promotes cell migration, inhibits apoptosis and induces permeabilization of blood vessels. Binds to the FLT1/VEGFR1 and KDR/VEGFR2 receptors, heparan sulfate and heparin. May play a role in increasing vascular permeability during lactation, when increased transport of molecules from the blood is required for efficient milk protein synthesis (By similarity). Binding to NRP1 receptor initiates a signaling pathway needed for motor neuron axon guidance and cell body migration, including for the caudal migration of facial motor neurons from rhombomere 4 to rhombomere 6 during

embryonic development. [UniProt]

For additional information about VEGF biology, validated applications, and related products, learn more about our VEGF Antibody, an Angiogenesis Growth Factor Antibody for investigating endothelial signaling, tumor angiogenesis, vascular remodeling, and VEGF-mediated growth factor pathways.

Application Notes

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

Immunogen

A mouse partial recombinant protein corresponding to amino acids A27-N190 was used as the immunogen for the VEGFA antibody.

Storage

After reconstitution, the VEGFA 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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