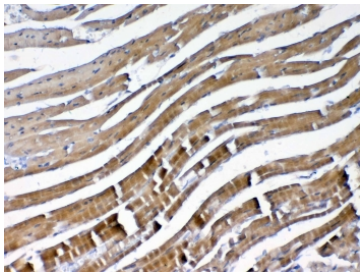
VEGFB Antibody (RQ4137)

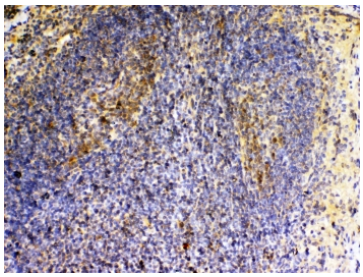
Catalog No.	Formulation	Size
RQ4137	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

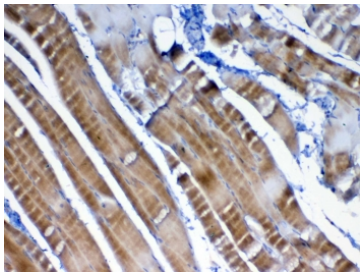
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	O35485
Localization	Secreted
Applications	Western Blot: 0.5-1ug/ml IHC (FFPE): 1-2ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This VEGFB antibody is available for research use only.



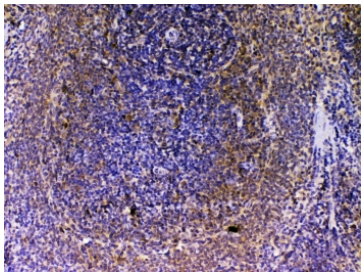
IHC testing of FFPE mouse heart tissue with VEGFB antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE mouse spleen tissue with VEGFB 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 rat skeletal muscle tissue with VEGFB 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 rat spleen tissue with VEGFB 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 rat heart lysate with VEGFB antibody at 0.5ug/ml. Expected molecular weight: 22-32 kDa depending on glycosylation level.

Description

Vascular endothelial growth factor B also known as VEGF-B is a protein that, in humans, is encoded by the VEGF-B gene. VEGF-B is a growth factor that belongs to the vascular endothelial growth factor family, of which VEGF-A is the best-known member. In contrast to VEGF-A, VEGF-B plays a less pronounced role in the vascular system: Whereas VEGF-A is important for the formation of blood vessels, such as during development or in pathological conditions, VEGF-B seems to play a role only in the maintenance of newly formed blood vessels during pathological conditions. It also plays an important role on several types of neurons. And it is important for the protection of neurons in the retina and thecerebral cortex during stroke and of motoneurons during motor neuron diseases such as amyotrophic lateral sclerosis.

Application Notes

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

Immunogen

A recombinant rat partial protein corresponding to amino acids P22-A207 was used as the immunogen for the VEGFB antibody.

Storage

After reconstitution, the VEGFB 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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