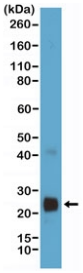
Recombinant VEGFA Antibody [clone RM391] (R20407)

Catalog No.	Formulation	Size
R20407-0.1ML	Antibody in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	100 ul

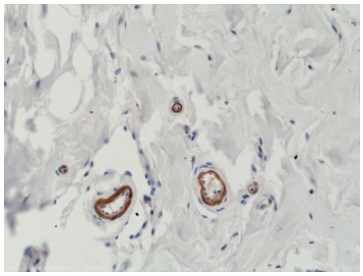
Recombinant RABBIT MONOCLONAL

Bulk quote request

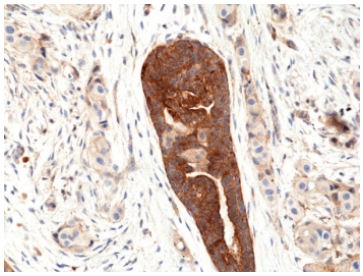
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	RM391
Purity	Protein A purified from animal origin-free supernatant
UniProt	P15692
Localization	Cytoplasmic, cell surface and extracellular (secreted)
Applications	Immunohistochemistry (FFPE): 1:100-1:200 Western blot: 1:100-1:200
Limitations	This recombinant VEGFA antibody is available for research use only.



Recombinant VEGFA Antibody Human Cell WB. Western blot analysis of VEGF protein-expressing human HEK293 cell lysate using Recombinant VEGFA Antibody (clone RM391). An HRP-conjugated secondary antibody with ECL substrate was used for detection. Recombinant VEGFA Antibody detects a band at approximately 25 kDa, consistent with VEGFA protein expression. This recombinant rabbit monoclonal antibody supports analysis of VEGFA expression in studies of angiogenesis, endothelial cell signaling, vascular remodeling, and VEGF-mediated growth factor pathways.



Recombinant VEGFA Antibody Human Breast IHC. Immunohistochemical staining of FFPE human breast tissue using Recombinant VEGFA Antibody (clone RM391) at 1:200 dilution. An HRP-conjugated secondary antibody with DAB substrate was used for detection. Recombinant VEGFA Antibody demonstrates VEGFA expression in vascular-associated structures within breast tissue, supporting studies of angiogenesis, endothelial signaling, vascular remodeling, and VEGF-mediated regulation of tissue homeostasis.



Recombinant VEGFA Antibody Human Breast Cancer IHC. Immunohistochemical staining of FFPE human breast cancer tissue using Recombinant VEGFA Antibody (clone RM391) at 1:100 dilution. An HRP-conjugated secondary antibody with DAB substrate was used for detection. Recombinant VEGFA Antibody demonstrates strong VEGFA expression in breast tumor cells and vascular-associated regions, supporting studies of tumor angiogenesis, endothelial cell signaling, vascular remodeling, and VEGF-mediated regulation of the cancer microenvironment.

Description

Recombinant VEGFA Antibody recognizes vascular endothelial growth factor A (VEGFA), a secreted angiogenic growth factor that regulates endothelial cell proliferation, migration, vascular permeability, and blood vessel formation. VEGFA functions through activation of VEGF receptors, primarily VEGFR1 and VEGFR2, triggering signaling pathways that control vascular development, tissue repair, and responses to hypoxia. Dysregulated VEGFA expression is strongly associated with pathological angiogenesis, making Recombinant VEGFA Antibody an important tool for studying vascular biology, endothelial signaling, and angiogenesis-related disease mechanisms.

VEGFA is one of the most widely studied mediators of tumor angiogenesis. Hypoxic tumor environments stimulate VEGFA expression through HIF-regulated pathways, promoting the development of new blood vessels that provide nutrients and oxygen required for tumor expansion. Elevated VEGFA activity has been linked to cancer progression, metastatic potential, and remodeling of the tumor microenvironment. Detection of VEGFA expression is commonly used in studies examining cancer biology, angiogenic signaling, and interactions between tumor cells, endothelial cells, and surrounding stromal tissues.

This Recombinant VEGFA Antibody (clone RM391) is a recombinant rabbit monoclonal antibody developed for consistent detection of VEGFA in research applications. Recombinant antibody technology uses defined antibody sequences to provide excellent reproducibility and long-term lot consistency compared to traditional hybridoma-derived antibodies. Clone RM391 provides researchers with a reliable tool for evaluating VEGFA expression and investigating pathways involved in vascular development, tumor angiogenesis, inflammation, and tissue remodeling.

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

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

Immunogen

A peptide corresponding to human VEGFA was used as the immunogen for the recombinant VEGFA antibody.

Storage

Store the recombinant VEGFA antibody at -20oC.

Alternate Names

VEGF Antibody, Vascular Endothelial Growth Factor Antibody, VEGF-A Antibody, Vascular Permeability Factor Antibody, VPF Antibody, Angiogenesis Factor Antibody

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