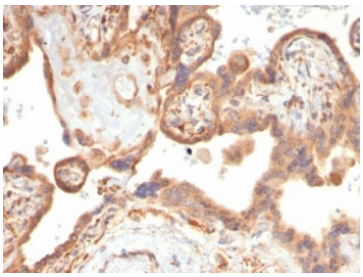
Vascular Endothelial Growth Factor Antibody / VEGF [clone VEGFA/7758R] (V5096)

Catalog No.	Formulation	Size
V5096-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5096-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5096SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

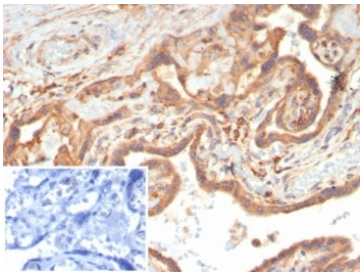
Recombinant RABBIT MONOCLONAL

Bulk quote request

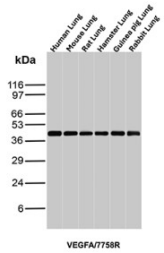
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Hamster, Rabbit, Guinea pig
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG1, kappa
Clone Name	VEGFA/7758R
Purity	Protein A/G affinity
UniProt	P15692
Localization	Cytoplasm, Cell surface, Extracellular (secreted)
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT (Human) Western blot: 2-4ug/ml (Human Mouse Rat Hamster Rabbit Guinea pig)
Limitations	This Vascular Endothelial Growth Factor antibody is available for research use only.



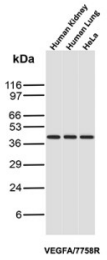
IHC staining of FFPE human placental tissue with Vascular Endothelial Growth Factor antibody (clone VEGFA/7758R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human placental tissue with Vascular Endothelial Growth Factor antibody (clone VEGFA/7758R). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Vascular Endothelial Growth Factor Antibody Multi-Species WB. Western blot analysis of lung tissue lysates from multiple species using Vascular Endothelial Growth Factor Antibody / VEGF (clone VEGFA/7758R). Lane 1: human lung, Lane 2: mouse lung, Lane 3: rat lung, Lane 4: hamster lung, Lane 5: guinea pig lung, Lane 6: rabbit lung tissue lysate. An HRP-conjugated secondary antibody with ECL substrate was used for detection. This recombinant rabbit monoclonal Vascular Endothelial Growth Factor Antibody detects VEGFA expression across human and animal models, supporting studies of angiogenesis, endothelial cell signaling, vascular remodeling, and VEGF-mediated growth factor pathways.



VEGFA Recombinant Rabbit Monoclonal Antibody Human Tissue WB. Western blot analysis of human kidney tissue, human lung tissue, and HeLa cell lysates using VEGFA Recombinant Rabbit Monoclonal Antibody (clone VEGFA/7758R). Lane 1: human kidney tissue lysate, Lane 2: human lung tissue lysate, Lane 3: human HeLa cell lysate. An HRP-conjugated secondary antibody with ECL substrate was used for detection. This recombinant VEGFA Antibody detects VEGFA expression in human tissue and cell samples, supporting studies of angiogenesis, endothelial cell signaling, vascular remodeling, and VEGF-mediated growth factor pathways.

Description

Vascular Endothelial Growth Factor Antibody recognizes proteins of 19-22kDa (reducing) and 38kDa-44kDa (non-reducing), identified as various isoforms of Vascular Endothelial Growth Factor or Vascular Permeability Factor (VEGF/VPF). It is highly specific to VEGF, which is a homodimeric, disulfide-linked glycoprotein with a close homology to platelet derived growth factor (PDGF). There are multiple isoforms of VEGF containing 206-, 189-, 165-, and 121-amino acid residues. The smaller two isoforms, VEGF165 and VEGF121, are secreted proteins and act as diffusible agents, whereas the larger two remain cell associated. VEGF/VPF plays an important role in angiogenesis, which promotes tumor progression and metastasis.

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 Vascular Endothelial Growth Factor antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 1-200) from the human protein was used as the immunogen for the Vascular Endothelial Growth Factor antibody.

Storage

Aliquot the Vascular Endothelial Growth Factor antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Copyright © NSJ Bioreagents. All rights reserved.