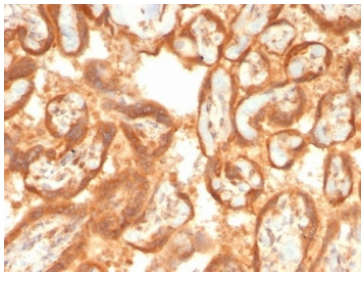
# Vascular Endothelial Growth Factor Antibody / VEGF [clone VEGFA/7757R] (V5095)

| Catalog No. | Formulation | Size |
|---|---|---|
| V5095-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V5095-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V5095SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

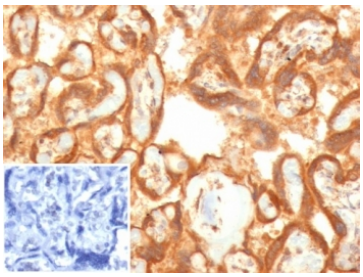
Recombinant RABBIT MONOCLONAL

**Bulk quote request**

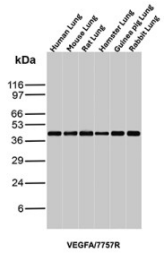
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat, Hamster, Rabbit, Guinea pig |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Recombinant Rabbit Monoclonal |
| **Isotype** | Rabbit IgG1, kappa |
| **Clone Name** | VEGFA/7757R |
| **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)<br>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. |



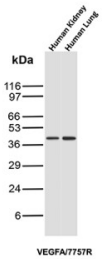
Vascular Endothelial Growth Factor Antibody Human Placenta IHC. Immunohistochemical staining of FFPE human placental tissue using Vascular Endothelial Growth Factor Antibody / VEGF (clone VEGFA/7757R). HIER was performed by boiling tissue sections in pH 9 Tris-EDTA buffer for 20 minutes prior to staining. An HRP-conjugated secondary antibody with DAB substrate was used for detection. This recombinant rabbit monoclonal Vascular Endothelial Growth Factor Antibody demonstrates strong VEGFA expression in placental trophoblast-associated structures, supporting studies of angiogenesis, vascular development, endothelial signaling, and VEGF-mediated tissue remodeling.



Vascular Endothelial Growth Factor Antibody Human Placenta IHC. Immunohistochemical staining of FFPE human placental tissue using Vascular Endothelial Growth Factor Antibody / VEGF (clone VEGFA/7757R). HIER was performed by boiling tissue sections in pH 9 Tris-EDTA buffer for 20 minutes prior to staining. An HRP-conjugated secondary antibody with DAB substrate was used for detection. Inset: PBS was used in place of the primary antibody as a secondary antibody negative control. This recombinant rabbit monoclonal Vascular Endothelial Growth Factor Antibody demonstrates strong VEGFA expression in placental trophoblast-associated structures, supporting studies of angiogenesis, endothelial cell regulation, vascular development, and VEGF-mediated tissue remodeling.




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/7757R). 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 multiple species, supporting studies of angiogenesis, endothelial signaling, vascular development, and VEGF-mediated tissue remodeling pathways.




Vascular Endothelial Growth Factor Antibody Human Tissue WB. Western blot analysis of human kidney and human lung tissue lysates using Vascular Endothelial Growth Factor Antibody / VEGF (clone VEGFA/7757R). Lane 1: human kidney tissue lysate, Lane 2: human 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 protein expression, supporting studies of angiogenesis, endothelial cell signaling, vascular remodeling, and VEGF-mediated regulation of tissue development and homeostasis.

## Description

Vascular Endothelial Growth Factor Antibody / VEGF recognizes VEGFA, a secreted growth factor that plays a central role in angiogenesis, vascular permeability, and endothelial cell regulation. VEGFA binds VEGF receptor family members, primarily VEGFR1 and VEGFR2, activating signaling pathways that promote endothelial cell proliferation, migration, survival, and new blood vessel formation. These processes are essential for embryonic vascular development, tissue repair, and maintenance of vascular networks, while abnormal VEGFA signaling contributes to pathological angiogenesis in cancer and other disease models. Vascular Endothelial Growth Factor Antibody / VEGF is commonly used to investigate vascular biology, endothelial function, and VEGF-mediated signaling pathways.

VEGF expression is strongly influenced by oxygen availability and is increased during hypoxic conditions through HIF-regulated transcriptional pathways. Tumor cells frequently elevate VEGFA production to stimulate angiogenesis within the surrounding microenvironment, supporting vascular expansion, tumor growth, and metastatic progression. Because of this important biological role, VEGF remains one of the most widely studied angiogenesis markers in cancer research and vascular biology studies.

This recombinant rabbit monoclonal Vascular Endothelial Growth Factor Antibody / VEGF (clone VEGFA/7757R) provides researchers with a reliable reagent for detecting VEGFA expression. Recombinant monoclonal antibody production uses defined antibody sequences, improving consistency and supporting long-term reproducibility between lots. Clone VEGFA/7757R is designed for research involving VEGF expression, angiogenesis pathways, endothelial signaling, and tumor microenvironment regulation.

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.

## Alternate Names

VEGFA Antibody, VEGF Antibody, VEGF-A Antibody, Vascular Permeability Factor Antibody, VPF Antibody, Recombinant VEGFA Antibody


Copyright © NSJ Bioreagents. All rights reserved.