

Anti-VEGF VEGFA Rabbit Monoclonal Antibody
Catalog # ABO13302

Specification

Anti-VEGF VEGFA Rabbit Monoclonal Antibody - Product Information

| | |
|-------------------|------------------------|
| Application | IHC, IF, ICC, FC |
| Primary Accession | P15692 |
| Host | Rabbit |
| Isotype | Rabbit IgG |
| Reactivity | Human, Mouse |
| Clonality | Monoclonal |
| Format | Liquid |

Description

Anti-VEGF VEGFA Rabbit Monoclonal Antibody . Tested in IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse.

Anti-VEGF VEGFA Rabbit Monoclonal Antibody - Additional Information

Gene ID 7422

Other Names

Vascular endothelial growth factor A, long form, L-VEGF, Vascular permeability factor, VPF, N-VEGF, VEGFA, VEGFA, VEGF

Calculated MW

27042 MW KDa

Application Details

IHC 1:100-1:250
ICC/IF 1:100-1:250
FC 1:50

Subcellular Localization

Secreted. VEGF121 is acidic and freely secreted. VEGF165 is more basic, has heparin-binding properties and, although a significant proportion remains cell-associated, most is freely secreted. VEGF189 is very basic, it is cell-associated after secretion and is bound avidly by heparin and the extracellular matrix, although it may be released as a soluble form by heparin, heparinase or plasmin.

Tissue Specificity

Isoform VEGF189, isoform VEGF165 and isoform VEGF121 are widely expressed. Isoform VEGF206 and isoform VEGF145 are not widely expressed. A higher level expression seen in pituitary tumors as compared to the pituitary gland..

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human VEGF

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-VEGF VEGFA Rabbit Monoclonal Antibody - Protein Information

Name VEGFA

Synonyms VEGF

Function

[N-VEGF]: Participates in the induction of key genes involved in the response to hypoxia and in the induction of angiogenesis such as HIF1A (PubMed:35455969). Involved in protecting cells from hypoxia- mediated cell death (By similarity).

Cellular Location

[N-VEGF]: Cytoplasm. Nucleus. Note=Cytoplasmic in normoxic conditions and localizes to the nucleus under hypoxic conditions [Isoform L-VEGF189]: Endoplasmic reticulum. Golgi apparatus. Secreted, extracellular space, extracellular matrix [Isoform VEGF165]: Secreted

Tissue Location

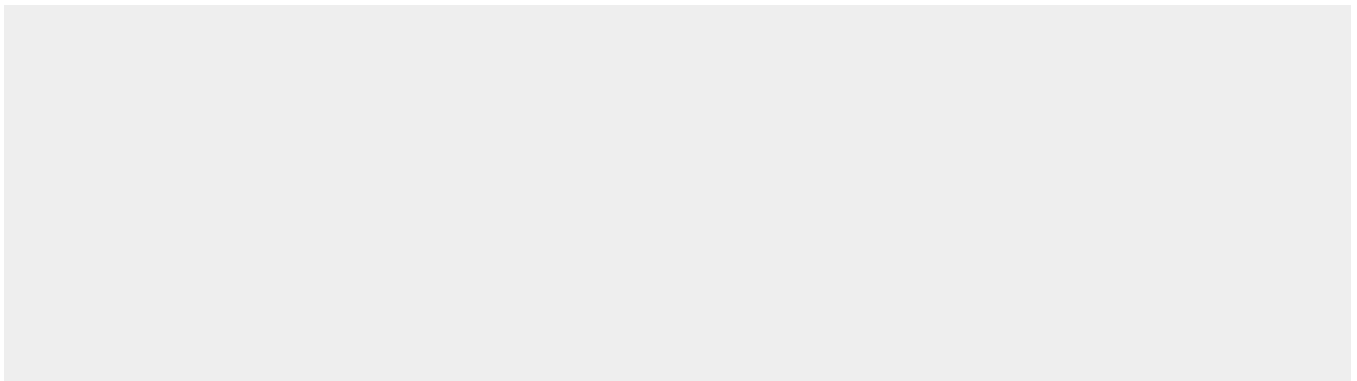
Higher expression in pituitary tumors than the pituitary gland. [Isoform VEGF165]: Widely expressed. [Isoform VEGF206]: Not widely expressed.

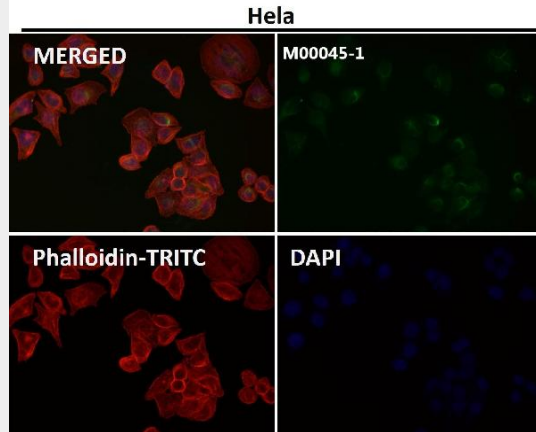
Anti-VEGF VEGFA Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

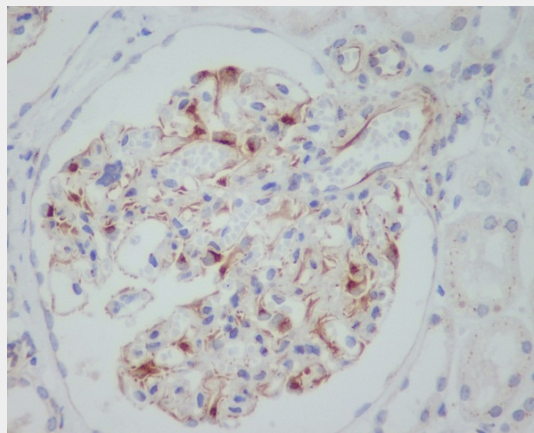
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-VEGF VEGFA Rabbit Monoclonal Antibody - Images

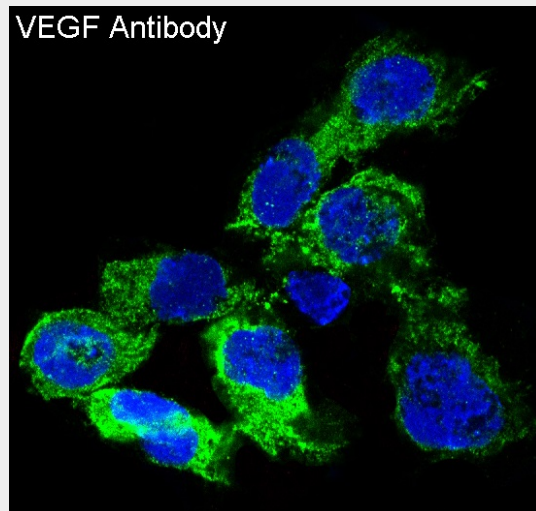




Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunohistochemical analysis of paraffin-embedded human kidney, using VEGF Antibody.



Immunofluorescent analysis of HUVEC cells, using VEGF Antibody.