

**Anti-VEGF VEGFA Rabbit Monoclonal Antibody**  
**Catalog # ABO13302****Specification**

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**Anti-VEGF VEGFA Rabbit Monoclonal Antibody - Product Information**

Application	IHC, IF, ICC, FC
Primary Accession	<a href="#">P15692</a>
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<br>ICC/IF 1:100-1:250<br>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:<a href="http://www.uniprot.org/citations/35455969" target="\_blank">35455969</a>). 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

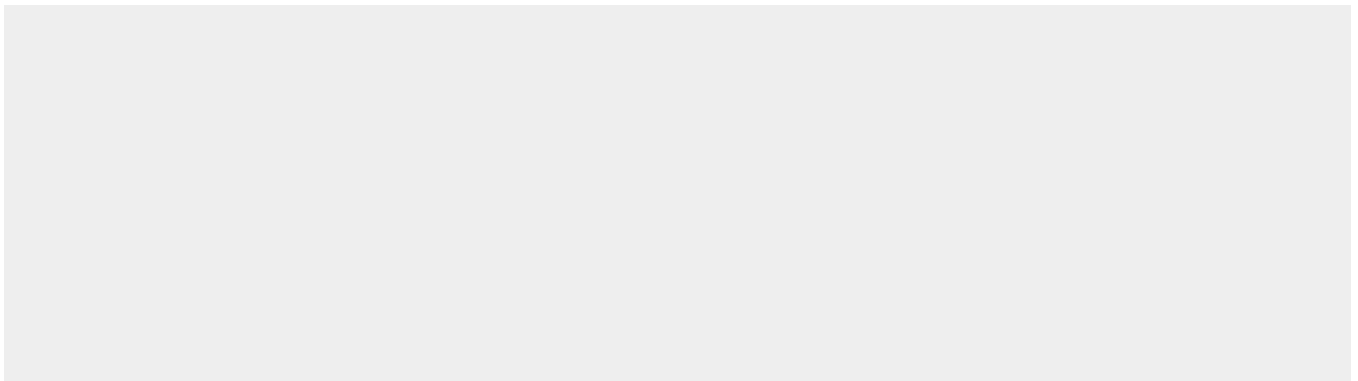
**Tissue Location**

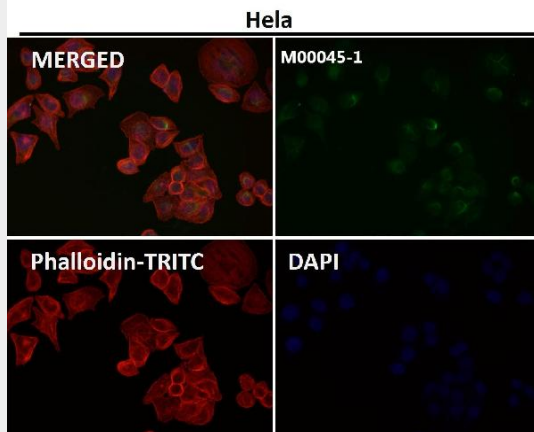
Higher expression in pituitary tumors than the pituitary gland. [Isoform VEGF165]: Widely expressed. [Isoform VEGF206]: Not widely expressed.

**Anti-VEGF VEGFA Rabbit Monoclonal Antibody - Protocols**

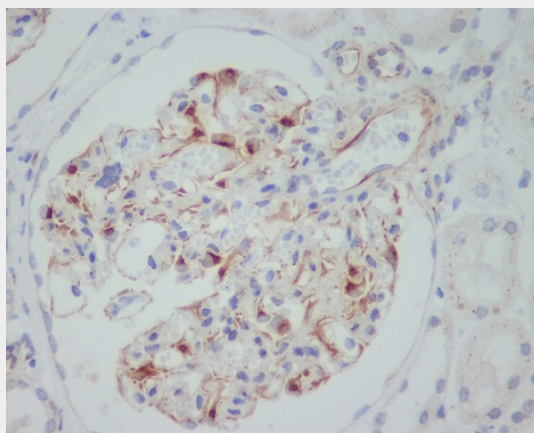
Provided below are standard protocols that you may find useful for product applications.

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

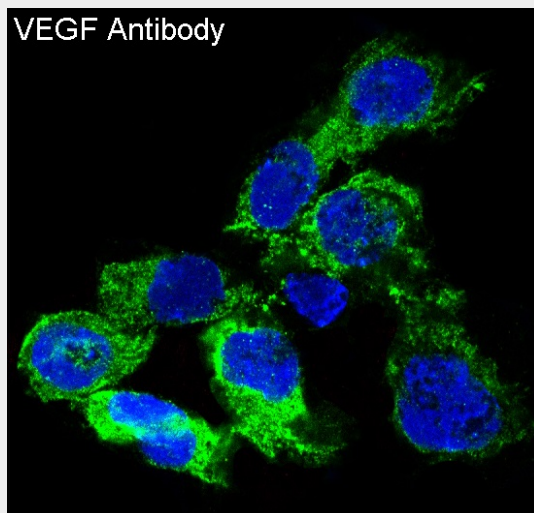
**Anti-VEGF VEGFA Rabbit Monoclonal Antibody - Images**



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.