

# VEGF Antibody

Rabbit mAb

Catalog # AP90157

## Product Information

<b>Application</b>	IHC, IF, FC, ICC, IHF
<b>Primary Accession</b>	<a href="#">P15692</a>
<b>Reactivity</b>	Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	Vascular Endothelial Growth Factor; Vascular Permeability Factor; VEGF-A; VEGFA
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	43597

## Additional Information

<b>Dilution</b>	IHC 1:100~1:250 ICC/IF 1:100~1:250 FC 1:50
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human VEGF
<b>Description</b>	Growth factor active in angiogenesis, vasculogenesis and endothelial cell growth. Induces endothelial cell proliferation, promotes cell migration, inhibits apoptosis and induces permeabilization of blood vessels. Binds to the FLT1/VEGFR1 and KDR/VEGFR2 receptors, heparan sulfate and heparin.
<b>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## Protein Information

<b>Name</b>	VEGFA
<b>Synonyms</b>	VEGF
<b>Function</b>	[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="#">35455969</a> ). Involved in protecting cells from hypoxia- mediated cell death (By similarity).
<b>Cellular Location</b>	[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
<b>Tissue Location</b>	Higher expression in pituitary tumors than the pituitary gland. [Isoform VEGF165]: Widely expressed. [Isoform VEGF206]: Not widely expressed.

## Images

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Image not found : 202311/AP90157-IHC.jpg

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

Image not found : 202311/AP90157-IF.jpg

Immunofluorescent analysis of HUVEC cells, using VEGF Antibody.

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