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VEGF Antibody

Rabbit mAb
Catalog # AP90157

Product Information

Application	IHC, IF, FC, ICC, IHF
Primary Accession	P15692
Reactivity	Human, Mouse
Clonality	Monoclonal
Other Names	Vascular Endothelial Growth Factor; Vascular Permeability Factor; VEGF-A; VEGFA
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	43597

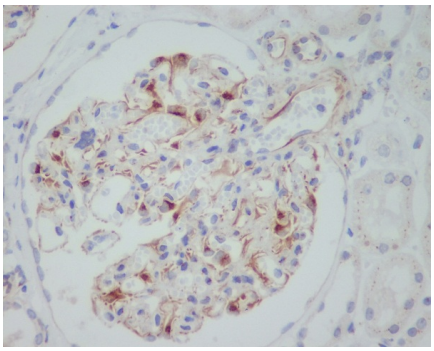
Additional Information

Dilution	IHC 1:100~1:250 ICC/IF 1:100~1:250 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human VEGF
Description	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.
Storage Condition and Buffer	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.

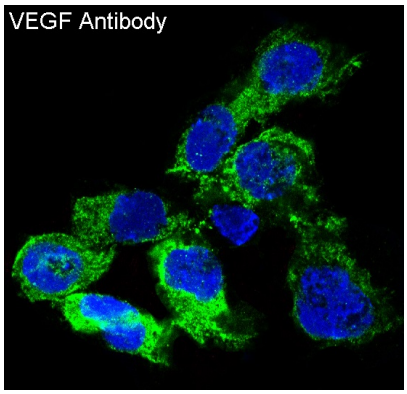
Protein Information

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.

Images



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



Immunofluorescent analysis of HUVEC cells, using VEGF Antibody.