

VEGFA / VEGF Antibody
Rabbit Polyclonal Antibody
Catalog # ALS15153**Specification**

VEGFA / VEGF Antibody - Product Information

Application	WB
Primary Accession	P15692
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27kDa KDa

VEGFA / VEGF Antibody - Additional Information**Gene ID** 7422**Other Names**

Vascular endothelial growth factor A, VEGF-A, Vascular permeability factor, VPF, VEGFA, VEGF

Target/Specificity

Rat VEGFA / VEGF

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

VEGFA / VEGF Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

VEGFA / VEGF 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

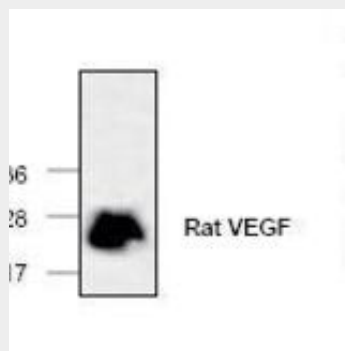
Higher expression in pituitary tumors than the pituitary gland. [Isoform VEGF165]: Widely expressed. [Isoform VEGF206]: Not widely expressed.

VEGFA / VEGF 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](#)

VEGFA / VEGF Antibody - Images



Western blot of VEGF antibody ALS15153.

VEGFA / VEGF Antibody - Background

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. NRP1/Neuropilin-1 binds isoforms VEGF-165 and VEGF-145. Isoform VEGF165B binds to KDR but does not activate downstream signaling pathways, does not activate angiogenesis and inhibits tumor growth.

VEGFA / VEGF Antibody - References

Leung D.W., et al. Science 246:1306-1309(1989).
Keck P.J., et al. Science 246:1309-1312(1989).
Tischer E., et al. J. Biol. Chem. 266:11947-11954(1991).
Houck K.A., et al. Mol. Endocrinol. 5:1806-1814(1991).
Weindel K., et al. Biochem. Biophys. Res. Commun. 183:1167-1174(1992).