

**VEGFAntibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10935****Specification**

---

**VEGFAntibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">Q00731</a>
Other Accession	<a href="#">NP_033531</a>
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	43131

**VEGFAntibody - Additional Information****Gene ID** 22339**Application & Usage**

Western blotting (0.5-4 µg/ml) and Immunohistochemistry (5 µg/ml). However, the optimal conditions should be determined individually. Recombinant murine VEGF can be used as a positive control.

**Other Names**

vascular endothelial growth factor

**Target/Specificity**

VEGF

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg (0.5 mg/ml) affinity purified rabbit anti-mouse VEGF polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions**

**Precautions**

VEGFAntibody is for research use only and not for use in diagnostic or therapeutic procedures.

**VEGFAntibody - 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 (PubMed:<a href="http://www.uniprot.org/citations/35455969" target="\_blank">35455969</a>).

**Cellular Location**

[N-VEGF]: Cytoplasm {ECO:0000250|UniProtKB:P15692}. Nucleus {ECO:0000250|UniProtKB:P15692} Note=Cytoplasmic in normoxic conditions and localizes to the nucleus under hypoxic conditions. {ECO:0000250|UniProtKB:P15692} [Isoform L-VEGF-2]: Endoplasmic reticulum {ECO:0000250|UniProtKB:P15692}. Golgi apparatus {ECO:0000250|UniProtKB:P15692}. Secreted, extracellular space, extracellular matrix {ECO:0000250|UniProtKB:P15692} [Isoform VEGF-2]: Secreted.

**Tissue Location**

In developing embryos, expressed mainly in the choroid plexus, paraventricular neuroepithelium, placenta and kidney glomeruli. Also found in bronchial epithelium, adrenal gland and in seminiferous tubules of testis. High expression continues in kidney glomeruli and choroid plexus in adults

**VEGFAntibody - 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](#)

**VEGFAntibody - Images****VEGFAntibody - Background**

VEGF (Vascular Endothelial Growth Factor) is a secreted homodimeric protein, secreted by a variety of vascularized tissues. VEGF stimulates endothelial cell growth, angiogenesis, and capillary permeability.