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Product datasheet for DP3520P

VEGFA Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	**ELISA:** To detect Murine VEGF-A by Direct ELISA a concentration of at least 0.5 µg/ml is required. This purified IgG, in combination with compatible secondary reagents, allows the detection of 0.5-1.0 ng/well of recombinant Murine VEGF165 or other VEGF-A splice forms. **Western Blot:** To detect Murine VEGF-A by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant murine VEGF-A is 1.5-3.0 ng/lane, under either *reducing* or *non-reducing conditions.* **Immunohistochemistry on Paraffin Sections** 2-10 µg/ml (Pretreatment with 0.01% Proteinase K, 15 min at RT).
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Highly pure (> 95%) recombinant Murine VEGF164 Dimer derived from insect cells (Cat.-No DA3518X).
Specificity:	The antibody recognizes VEGF-A under*reducing* and *non-reducing* conditions.
Formulation:	PBS, pH 7.2 without preservatives and stabilizers State: Aff - Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Antigen Affinity Chromatography using recombinant Murine VEGF164 as matrix
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.

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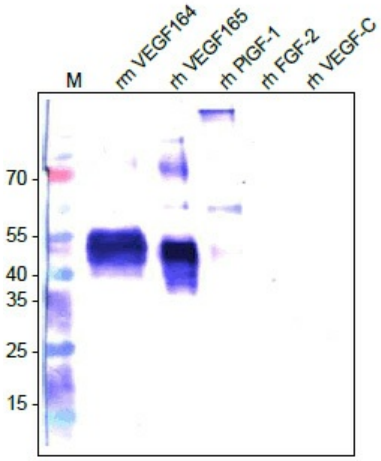
Gene Name: vascular endothelial growth factor A

Database Link: Entrez Gene 7422 Human
P15692

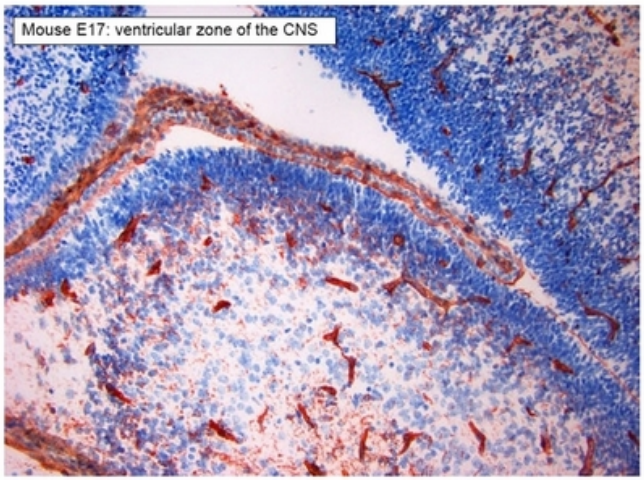
Background: VEGF (Vascular Endothelial Growth Factor) is a homodimeric, disulfide-linked glycoprotein involved in angiogenesis which promotes tumor progression and metastasis. It exhibits potent mitogenic and permeability inducing properties specific for the vascular endothelium. Of the four isoforms of VEGF, the smaller two, $VEGF_{165}$ and $VEGF_{121}$, are secreted proteins and act as diffusible agents, whereas the larger two ($VEGF_{189}$ and $VEGF_{206}$) remain cell associated.

Synonyms: VEGFA, VEGF, VPF, Vascular endothelial growth factor A, Vascular permeability factor

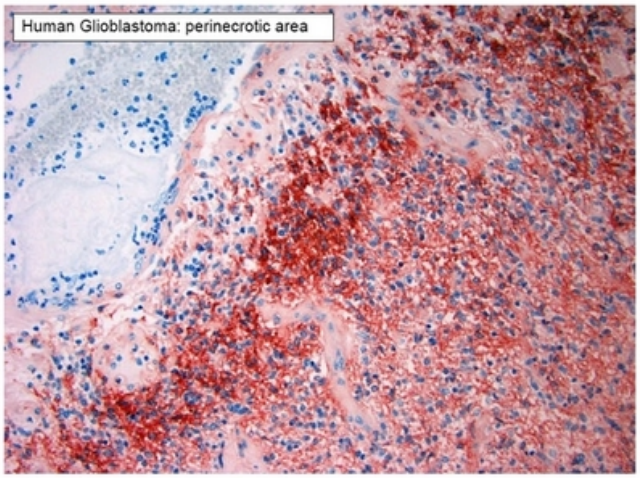
Product images:



Western analysis of recombinant Mouse VEGF164 ([DA3518X]), Human VEGF165 ([DA3514X]), Human PlGF-1 ([DA3508]), Human FGF-2 and Human VEGF-C ([AR01001PU-S]) using a polyclonal Rabbit anti-Mouse VEGF-A antibody. There is a strong cross reactivity with human VEGF165 but not with human PlGF-1, FGF-2 and VEGF-C.



Immunohistochemistry on paraffin-embedded sections (Mouse E17: ventricular zone of the CNS) using the antigen-affinity purified anti-murine VEGF-A antibody. The experiments were performed by Dr. Till Acker and Prof. K.H. Plate, Neurological Institute, Neuropathology, Deutschordenstr. 45, 60528 Frankfurt, Germany.



Immunohistochemistry on paraffin-embedded sections (Human Glioblastoma: perinecrotic area) using the antigen-affinity purified anti VEGF-A antibody. The experiments were performed by Dr. Till Acker and Prof. K.H. Plate, Neurological Institute, Neuropathology, Deutschordenstr. 45, 60528 Frankfurt, Germany.