



E90280

VEGFA Polyclonal Antibody

- Catalog Number:** E90280
- Amount:** 100ul
- Background:** VEGF121 is the second most abundant splice variant of VEGF-A (1,2). VEGF121 is produced by endothelial cells, macrophages, T-cells and other cell types. VEGF121 is involved in angiogenesis, vascular endothelial cell survival, growth, migration and vascular permeability (1). VEGF121 expression is induced by hypoxia, inflammatory cytokines and through oncogene products in tumors (1-3). VEGF121 binds to VEGFR1 and VEGFR2 receptor tyrosine kinases (1). Binding of VEGF121 to VEGFR1 and VEGFR2 leads to activation of pathways involving PI3K/AKT, P38 MAPK, and FAK (1). VEGF plays a key role in tumor angiogenesis in many cancers (2).
- Species:** Rabbit
- Isotype:** IgG
- Storage/Stability:** Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
- Synonyms:** VEGFA ; VEGF; L VEGFA; Vascular permeability factor; VEGF A; MVCD1
- Immunogen:** C term -peptide of human VEGFA
- Purification:** Affinity purification
- Reactivity:** H M R
- Applications:** WB IHC
- Molecular Weight:** 27kDa
- Swiss-Prot No. :** P15692
- Gene ID:** 7422
- References:** 1. Takahashi, H. and Shibuya, M. (2005) Clin Sci (Lond) 109, 227-41. 2. Neufeld, G. et al. (1999) FASEB J 13, 9-22. 3. Robinson, C.J. and Stringer, S.E. (2001) J Cell Sci 114, 853-65.

WB 1:500 - 1:2000
IHC 1:50 - 1:200

Western blot analysis of extracts of various cell lines, using VEGFA antibody. Immunohistochemistry of paraffin-embedded Liver cancer using VEGFA Antibody.

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