

VEGF-A (K27) polyclonal antibody

Catalog: AP0741

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

VEGF is a dimeric glycoprotein with structural homology to PDGF. Several variants of VEGF have been described that arise by alternative mRNA splicing. It has been speculated that VEGF may function as a tumor angiogenesis factor in vivo because the expression pattern of VEGF is consistent with a role in embryonic angiogenesis. VEGF mRNA is formed in some primary tumors, VEGF is produced by tumor cell lines in vitro and VEGF mitogenic activity appears to be restricted to endothelial cells. A member of the PDGF receptor family, Flt, has been identified as a high-affinity receptor for VEGF.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 27 kDa (VEGF206); 45 kDa (L-VEGF206);
~ 15-44 kDa (Others Isoform)

Swiss-Prot:

P15692

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

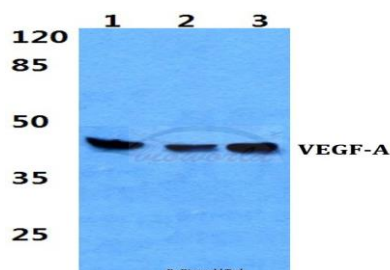
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

VEGF-A (K27) polyclonal antibody detects endogenous levels of total VEGF-A protein (13 isoforms).

DATA:



Western blot (WB) analysis of VEGF-A (K27) polyclonal antibody at 1:500 dilution

Lane1:HEK293T cell lysate

Lane2:NIH-3T3 cell lysate

Lane3:PC12 cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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