

Product datasheet for AP54507PU-N

VEGFA (Center) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: ELISA: 1:1:000.

Western blot: 1:100~500.

Reactivity: Human Rabbit Host:

Isotype: lg

Clonality: Polyclonal

KLH conjugated synthetic peptide between 147-176 amino acids from the Central region of Immunogen:

human VEGFA

Specificity: This antibody detects VEGF-A (Center). Formulation: PBS with 0.09% (W/V) sodium azide

> State: Aff - Purified State: Liquid Ig fraction

Concentration: lot specific

Purification: Protein A column followed by peptide affinity purification

Conjugation: Unconjugated

Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer. Avoid repeated Storage:

freezing and thawing.

Stability: Shelf life: one year from despatch. Gene Name: vascular endothelial growth factor A

Database Link: Entrez Gene 7422 Human

P15692



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VEGFA (Center) Rabbit Polyclonal Antibody - AP54507PU-N

Background:

This gene is a member of the PDGF/VEGF growth factor family and encodes a protein that is often found as a disulfide linked homodimer. This protein is a glycosylated mitogen that specifically acts on endothelial cells and has various effects, including mediating increased vascular permeability, inducing angiogenesis, vasculogenesis and endothelial cell growth, promoting cell migration, and inhibiting apoptosis. Elevated levels of this protein is linked to POEMS syndrome, also known as Crow-Fukase syndrome. Mutations in this gene have been associated with proliferative and nonproliferative diabetic retinopathy. Alternatively spliced transcript variants, encoding either freely secreted or cell-associated isoforms, have been characterized. There is also evidence for the use of non-AUG (CUG) translation initiation sites upstream of, and in-frame with the first AUG, leading to additional isoforms.

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

Note: Molecular Weight: 27042 Da

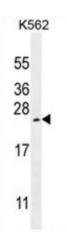
Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Bladder cancer, Cytokine-cytokine receptor interaction, Focal adhesion, mTOR signaling

pathway, Pancreatic cancer, Pathways in cancer, Renal cell carcinoma, VEGF signaling

pathway

Product images:



VEGFA Antibody (Center) western blot analysis in K562 cell line lysates (35 ug/lane). This demonstrates the VEGFA antibody detected the VEGFA protein (arrow).