

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

VEGFA RABBIT PAB

Cat.#: S212416

Product Name: Anti-VEGFA Rabbit Polyclonal Antibody

Synonyms: VPF; VEGF; MVCD1

UNIPROT ID: P15692 (Gene Accession - BC065522)

Background: This gene is a member of the PDGF/VEGF growth factor family. It encodes a heparinbinding protein, which exists as a disulfide-linked homodimer. This growth factor induces proliferation and migration of vascular endothelial cells, and is essential for both physiological and pathological angiogenesis. Disruption of this gene in mice resulted in abnormal embryonic blood vessel formation. This gene is upregulated in many known tumors and its expression is correlated with tumor stage and progression. Elevated levels of this protein are found in patients with POEMS syndrome, also known as Crow-Fukase syndrome. Allelic variants of this gene have been associated with microvascular complications of diabetes 1 (MVCD1) and atherosclerosis.

Alternatively spliced transcript variants encoding different isoforms have been described. There is also evidence for alternative translation initiation from upstream non-AUG (CUG) codons resulting in additional isoforms.

Immunogen: Fusion protein of human VEGFA

Applications: ELISA, IHC

Recommended Dilutions: IHC: 50-200; ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification **Species Reactivity:** Human, Mouse, Rat

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40%

glycerol

Research Areas: Signal Transduction, Cardiovascular, Cancer, Metabolism, Developmental

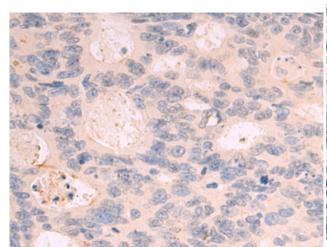
Biology

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

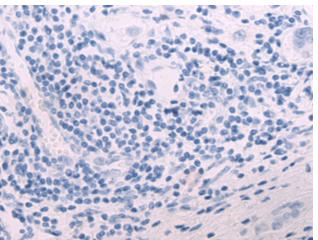


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Immunohistochemistry analysis of paraffin embedded Human colorectal cancer tissue using 212416(VEGFA Antibody) at a dilution of 1/80(Secreted).



In comparision with the IHC on the left, the same paraffin-embedded Human colorectal cancer tissue is first treated with the fusion protein and then with 212416(Anti-VEGFA Antibody) at dilution 1/80.