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Datasheet for ABIN390254
anti-VEGF1 antibody (N-Term)

1 Image

Overview

Quantity:	400 µL
Target:	VEGF1 (PVF1)
Binding Specificity:	AA 66-95, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VEGF1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This VEGF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 66-95 amino acids from the N-terminal region of human VEGF1.
Clone:	RB11708
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	VEGF1 (PVF1)
Alternative Name:	VEGF1 (PVF1 Products)

Target Details

Background: VEGF1 is a member of the PDGF/VEGF growth factor family and 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 are linked to POEMS syndrome, also known as Crow-Fukase syndrome. Mutations in VEGF1 have been associated with proliferative and nonproliferative diabetic retinopathy.

Molecular Weight: 27042

Gene ID: 7422

NCBI Accession: [NP_001020537](#), [NP_001020538](#), [NP_001020539](#), [NP_001020540](#), [NP_001020541](#), [NP_001028928](#), [NP_001165093](#), [NP_001165094](#), [NP_001165095](#), [NP_001165096](#), [NP_001165097](#), [NP_001165098](#), [NP_001165099](#), [NP_001165100](#)

UniProt: [P15692](#)

Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

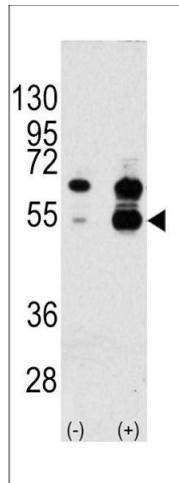
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Western Blotting

Image 1. Western blot analysis of VEGF1 Antibody (N-term) polyclonal antibody (ABIN390254 and ABIN2840716) (arrow). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the VEGF1 gene (Lane 2) (Origene Technologies). Molecular weight of monomeric VEGF1 is 27042 Da, higher observed molecular weight band is consistent with common form of disulfide linked homodimer.