

Datasheet for ABIN6242881
anti-VEGF antibody (C-Term)



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3 Images

Overview

Quantity:	400 µL
Target:	VEGF
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VEGF antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This VEGF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human VEGF Antibody.
Clone:	RB11705
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	VEGF
Alternative Name:	VEGF (VEGF Products)

Target Details

Background: Embryonic vascular system undergoes a series of complex, highly regulated series of events involving differentiation, migration and association of primitive endothelial cells. This process is termed vasculogenesis. A further remodeling of the primitive vascular system forms the mature cardiovascular system. This process is known as angiogenesis (sprouting of new capillary vessels from pre-existing vasculature). Angiogenesis accounts for the formation of vasculature into previously avascular organs such as brain and kidney. Angiogenic activity in the adult is required during the normal tissue repair, and for the remodeling of the female reproductive organs (ovulation and placental development). Certain pathological conditions, such as tumor growth and diabetic retinopathy, also require angiogenesis. Study of tumor angiogenesis has led to the identification of several proteins including basic fibroblast growth factor (bFGF) and vascular endothelial growth factor. VEGF acts by interacting with a family of largely endothelial-specific receptor tyrosine kinases that includes VEGFR-1 (flt-1), VEGFR-2 (flk-1/KDR), and VEGFR-3/Flt-4. Disruption of VEGFRs interferes with differentiation of endothelial cells and it is lethal for the embryo. VEGF is a heparin-binding glycoprotein that is secreted as a homodimer of 45 kDa.

Molecular Weight: 27042

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: 1:2000. WB: 1:2000. IHC-P: 1:10~50

Restrictions: For Research Use only

Handling

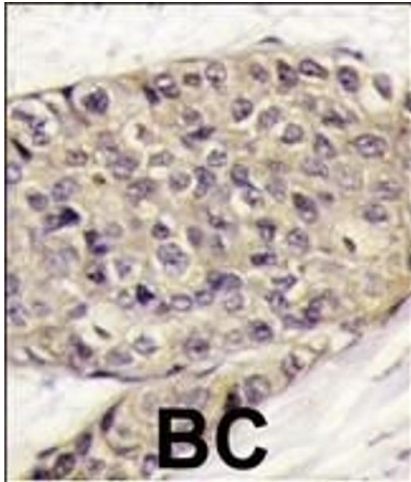
Format: Liquid

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

Preservative: Sodium azide

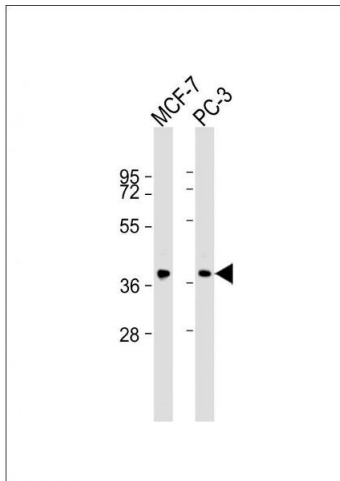
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C



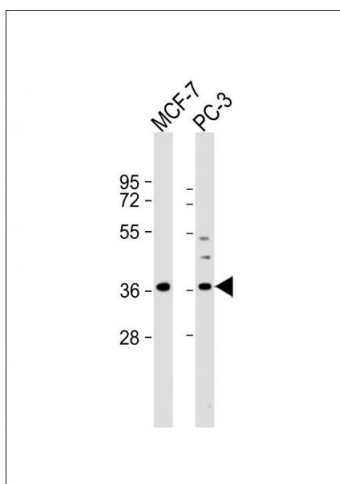
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with VEGF Antibody (C-term) (ABIN6242881 and ABIN6578974), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

Image 2. All lanes : Anti-VEGF Antibody (C-term) at 1:2000 dilution Lane 1: MCF-7 whole cell lysate Lane 2: PC-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 27 kDa Blocking/Dilution buffer: 5 % NFDN/TBST.



Western Blotting

Image 3. All lanes : Anti-VEGF Antibody (C-term) at 1:2000 dilution Lane 1: MCF-7 whole cell lysate Lane 2: PC-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 27 kDa Blocking/Dilution buffer: 5 % NFDN/TBST.