Datasheet for ABIN964773

anti-VEGF antibody (HRP)

1 Image | 1 Publication

Go to Product page

Overview

Quantity:	100 µg
Target:	VEGF
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VEGF antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	This purified antibody was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant human VEGF-165 protein. Immunogen Type: RecombinantProtein
Isotype:	IgG
Specificity:	This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. This purified antibody has been heated to 56°C for 30 minutes. In ELISA and other immunoreactive assays, this antibody will recognize both native and recombinant human VEGF-165 in cell supernatants and certain body fluids. A control of similarly diluted normal rabbit IgG is recommended.
Characteristics:	VEGF (Vascular Endothelial Growth Factor A) is a homodimeric, disulfide-linked glycoprotein involved in angiogenesis which promotes tumor progression and metastasis. It exhibits potent mitogenic and permeability inducing properties specific for the vascular endothelium. Of the

Product Details

	four isoforms of VEGF, the smaller two, VEGF 165 and VEGF 121, are secreted proteins and act as diffusible agents, whereas the larger two (VEGF 189 and VEGF 206) remain cell associated. The sequence of this isoform differs from the canonical sequence as follows: 141-141: K -> N and 142-182: missing. This isoform is often found as a disulfide linked homodimer.
Purification:	purified

Target Details

Target:	VEGF
Alternative Name:	VEGF (VEGF Products)
Background:	VEGF (Vascular Endothelial Growth Factor A) is a homodimeric, disulfide-linked glycoprotein involved in angiogenesis which promotes tumor progression and metastasis. It exhibits potent mitogenic and permeability inducing properties specific for the vascular endothelium. Of the four isoforms of VEGF, the smaller two, VEGF 165 and VEGF 121, are secreted proteins and act as diffusible agents, whereas the larger two (VEGF 189 and VEGF 206) remain cell associated. The sequence of this isoform differs from the canonical sequence as follows: 141-141: K → *N and 142-182: missing. This isoform is often found as a disulfide linked homodimer.* Synonyms: Vascular endothelial growth factor A; VEGF-A; VEGF-165, VEGF165, VEGF isoform L, Vascular permeability factor; VPF
Gene ID:	7422
NCBI Accession:	NP_001165097

Application Details

Application Notes:	This protein-A purified antibody has been tested for use in ELISA and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 22 kDa in size corresponding to monomeric human VEGF-165 protein by western blotting in the appropriate cell lysate or extract.
Comment:	Gene Name: VEGFA
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 100

Handling

	µL
Concentration:	1.0 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative:	Gentamicin sulfate
Handling Advice:	Do NOT add Sodium Azide!
Storage:	4 °C
Storage Comment:	Store vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity. Expiration date is one (1) year from date of opening.
Expiry Date:	12 months

Publications

Product cited in:	Yuan, Ghim, Newsome, Apolinario, Olcese, Martin, Delius, Felsburg, Jenson, Schlegel: "An epidermotropic canine papillomavirus with malignant potential contains an E5 gene and establishes a unique genus." in: **Virology**, Vol. 359, Issue 1, pp. 28-36, (2007) (PubMed).

Images

Western Blotting

Image 1. Western Blot showing detection of Recombinant Human VEGF-165. 50ng of protein (Lane 1) was run on a 4-20% gel and transferred to 0.45 µm nitrocellulose. After blocking with 1% BSA-TTBS , diluted to 1X) 30 min at 20°C, Anti-VEGF-165 (RABBIT) Antibody Peroxidase Conjugate secondary antibody was used at 1:1000 in Blocking Buffer for Fluorescent Western Blotting and imaged using the Bio-Rad 4000 MP. Arrow indicates correct 19 kDa molecular weight position expected for rH-VEGF-165.