Product Datasheet

VEGFA Antibody

Catalog No: #31274

Package Size: #31274-1 50ul #31274-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	VEGFA Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	E WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total VEGFA protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from 130-143 amino acids of human vascular endothelial growth factor A
Target Name	VEGFA
Other Names	vascular endothelial growth factor A, VPF, VEGF, MVCD1
Accession No.	Genbank No.: NP_001165094
SDS-PAGE MW	35kd
Formulation	Supplied at 0.9mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.3, 0.05% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

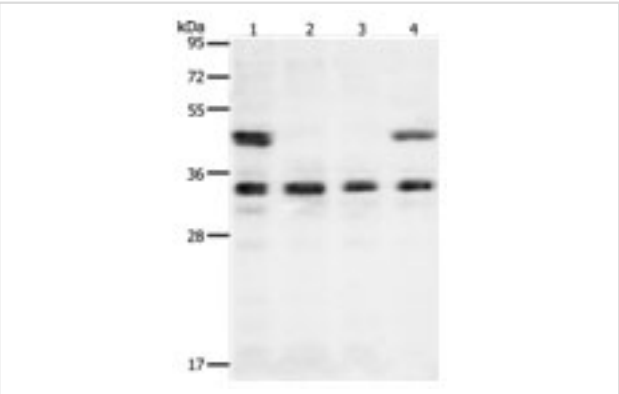
Application Details

ELISA: 1:2000-1:5000

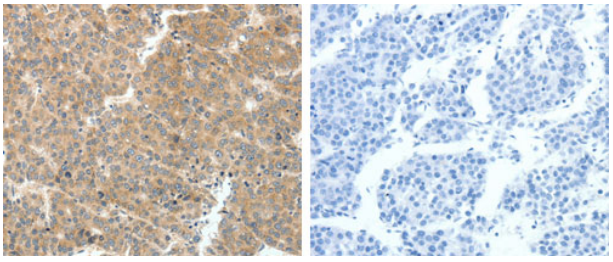
Western blotting: 1:500-1:2000

Immunohistochemistry: 1:25-1:100

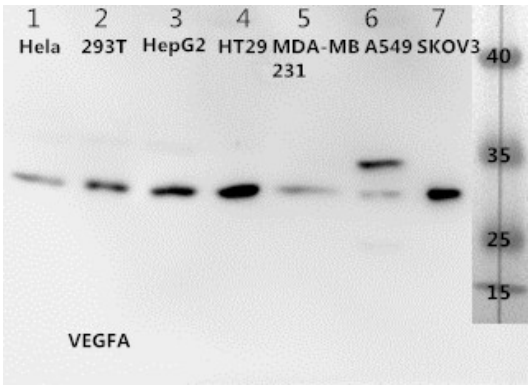
Images



Gel: 12%SDS-PAGE
Lane1: Hela, cell lysate
Lane2: Jurkatcell lysate
Lane3: 293T cell lysate
Lane4: 231 cell lysate
Lysates: 40 ug per lane
Primary antibody: 1/450 dilution
Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution
Exposure time: 2 minutes



The image on the left is immunohistochemistry of paraffin-embedded human liver cancer tissue using 31274 (VEGFA Antibody) at dilution 1/25, on the right is treated with the synthetic peptide.



Gel: 12%SDS-PAGELane1: Hela cell lysateLane2: 293T cell lysateLane3: HepG2 cell lysateLane4: HT29 cell lysateLane5: MDA231 cell lysateLane6: A549 cell lysateLane7: SKOV3 cell lysateLysates: 30 µg per lanePrimary antibody: 1/1000 dilutionSecondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilutionExposure time: 2 minutes

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.