Anti-VEGFA antibody

Cat. No.	ml160788
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-VEGFA rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Synthetic peptide of human VEGFA
Reactivity	Human
Content	0.6 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	VEGFA
Full name	vascular endothelial growth factor A
Synonyms	VPF, VEGF, MVCD1
Swissprot	P15692

Target 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.
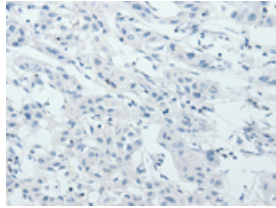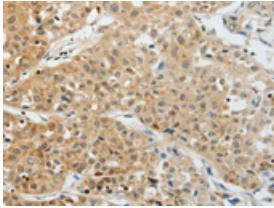
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human lung cancer
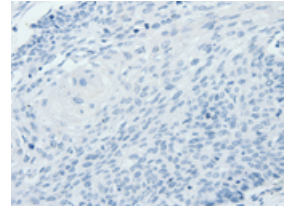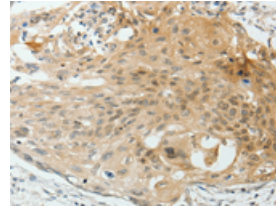
Recommended dilution: 25-100

The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using ml160788(VEGFA Antibody) at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification: ×200)

Predicted cell location: Cytoplasm

Positive control: Human cervical cancer

Recommended dilution: 25-100

The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using ml160788(VEGFA Antibody) at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification: ×200)

Western blotting

Predicted band size:35 kDa

Positive control:Hela, Jurkat, 293T and 231 cells
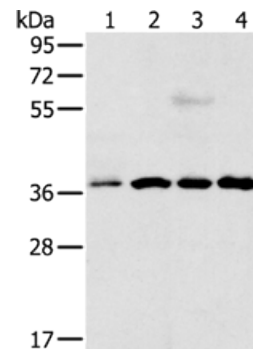
Recommended dilution: 500-2000

Gel: 12%SDS-PAGE

Lysate: 40 μg

Lane 1-4: Hela cells, Jurkat cells, 293T cells, 231 cells

Primary antibody: ml160788(VEGFA Antibody) at dilution 1/300

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 50 seconds

ELISA

Recommended dilution: 2000-5000

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