

VEGF recombinant antibody

Anti-VEGF [A.4.6.1]

CATALOG #	REACTIVITY	APPLICATIONS
AAA71951	Human, Rat	Immunohistochemistry, Flow Cytometry, Functional Assay, Western Blot, Immunoprecipitation, ELISA

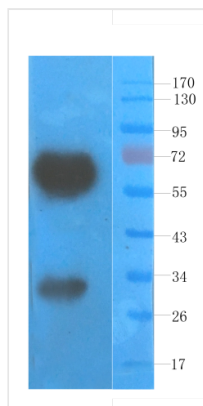
PRODUCT SYNONYMS

VEGF; Anti-VEGF [A.4.6.1]; Vascular Endothelial Growth Factor; VEGF-A; VEGFA; Vascular Permeability Factor; VPF; VEGF recombinant antibody

PRODUCT SPECIFICATIONS

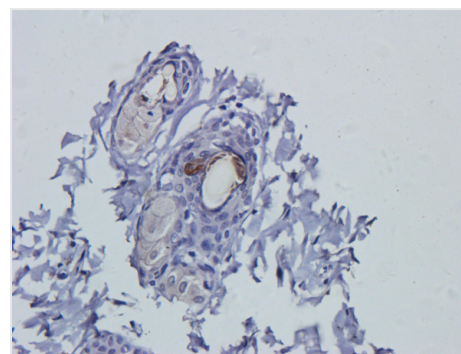
Reactivity	Human, Rat
Isotype	Mouse IgG1, kappa
Clone Number	A.4.6.1
Specificity	Binds native and reduced human VEGF (isoform 165), with a Kd of 0.8 nm determined for the original clone.
Purity/Purification	Protein A Affinity Purified
Sequence Length	232
Applicable Applications for VEGF recombinant antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), Blocking, WB (Western Blot), IP (Immunoprecipitation), ELISA
Buffer Composition	PBS only with 0.02% Proclin 300.
Immunogen	Recombinant human VEGF.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



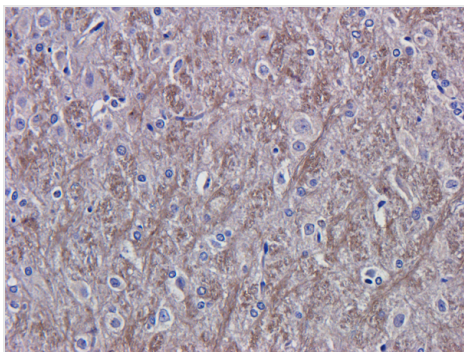
WB (Western Blot)

Western Blot using anti-VEGF antibody Rat skin lysate was resolved on a 10% SDS PAGE gel and blots probed with at 1.0 ug/ml before being detected by a secondary antibody. The expected band size (27 kDa) is seen along with bands corresponding to dimers.



IHC (Immunohistochemistry)

Immunohistochemical staining of rat skin tissue using anti-VEGF antibody A.4.6.1 Anti-VEGF staining of formaldehyde fixed paraffin embedded rat skin tissue, at 40x magnification. The mouse IgG1-chimeric version of A.4.6.1 was used to stain samples at a concentration of 5 ug/ml.



IHC (Immunohistochemistry)
 Immunohistochemical staining of rat brain tissue using anti-VEGF antibody A.4.6.1 Anti-VEGF staining of formaldehyde fixed paraffin embedded rat brain tissue, at 40x magnification. The mouse IgG1-chimeric version of A.4.6.1 was used to stain samples at a concentration of 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for VEGF recombinant antibody	Recombinant monoclonal antibody to VEGF. Manufactured using a Recombinant Platform with variable regions (i.e. specificity) from the hybridoma A.4.6.1.
Product Categories/Family for VEGF recombinant antibody	Cancer; Imaging; Humanized Antibody
References	Kim et al. 1992 The Vascular Endothelial Growth Factor Proteins: Identification of biologically relevant regions by neutralizing monoclonal antibodies. Growth Factors. 1992; 7(1):53-64. PMID:1380254

NCBI AND UNIPROT INFORMATION

NCBI GI #	17380528
NCBI GeneID	7422
UniProt Accession #	P15692; O60720; O75875; Q074Z4; Q16889; B5BU86; H0Y2S8; H0Y407; H0Y414; H0Y462; H0Y8N2; H3BLW7
Molecular Weight	34,406 Da
NCBI Official Full Name	Vascular endothelial growth factor A
NCBI Official Synonym Full Names	vascular endothelial growth factor A
NCBI Official Symbol	VEGFA
NCBI Official Synonym Symbols	VPF; VEGF; MVCD1
NCBI Protein Information	vascular endothelial growth factor A
UniProt Protein Name	Vascular endothelial growth factor A
UniProt Gene Name	VEGFA
UniProt Synonym Gene Names	VEGF; VEGF-A; VPF
UniProt Entry Name	VEGFA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.