

Mouse anti-Human ALK-1 Monoclonal Antibody | anti-ALK-1 antibody

ALK-1 Monoclonal Antibody

CATALOG # AAA78235	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

ALK-1; Monoclonal Antibody; ALK-1 Monoclonal Antibody; ACVRL1; ACVRLK1; ALK1; anti-ALK-1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1, Kappa
Clone Number	ABM43C4
Purity/Purification	Protein G Chromatography
Form/Format	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Concentration	0.5 mg/ml, 200 µl (varies by lot)
Sequence Length	503
Applicable Applications for anti-ALK-1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Antigen	ALK-1
Immunogen	A partial length recombinant ALK-1 protein (amino acids 310-503) was used as the immunogen for this antibody
Preparation and Storage	Store antibody at 4 degree C, stable for 6 months. For long-term storage, store at -20 degree C. Avoid repeated freeze and thaw cycles. Expire 1 year from date of purchase.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of ALK-1 in human lymphoma using ALK-1 antibody (Clone #: ABM43C4) at 1 µg/ml.



WB (Western Blot)

Expression analysis of ALK-1. Anti-ALK-1 antibody (Clone #: ABM43C4) was tested at 0.5 µg/ml on partial recombinant protein.

ADDITIONAL INFORMATION

Related Product Information for anti-ALK-1 antibody

ALK-1 or Activin receptor-like kinase-1 is a type I cell surface receptor for the TGF-beta (transforming growth factor-beta) super family of proteins. It is expressed predominantly in endothelial cells with moderate expression in smooth muscle cells, myofibroblast, hepatic stellate cells, chondrocytes, monocytes, myoblasts, macrophages and fibroblasts. ALK-1 plays a pivotal role in vascular remodelling and angiogenesis. More specifically its key function is in arterial/venous differentiation during embryonic vascular development. Mutations in ALK-1 gene (12q11-14) causes HHT2 (Hereditary Haemorrhagic Telangiectasia type 2), an autosomal dominant multisystem vascular dysplasia caused by a haploinsufficiency mechanism.

NCBI AND UNIPROT INFORMATION

NCBI GI #	116734712
NCBI GeneID	94
NCBI Accession #	NP_000011.2
NCBI GenBank Nucleotide #	NM_000020.2
UniProt Accession #	P37023; A6NGA8
NCBI Official Full Name	serine/threonine-protein kinase receptor R3
NCBI Official Synonym Full Names	activin A receptor type II-like 1
NCBI Official Symbol	ACVRL1
NCBI Official Synonym Symbols	HHT; ALK1; HHT2; ORW2; SKR3; ALK-1; TSR-I; ACVRLK1
NCBI Protein Information	serine/threonine-protein kinase receptor R3
UniProt Protein Name	Serine/threonine-protein kinase receptor R3
UniProt Gene Name	ACVRL1
UniProt Synonym Gene Names	ACVRLK1; ALK1; SKR3; ALK-1; TSR-I
UniProt Entry Name	ACVL1_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/alk-1-antibody-clone-abm43c4-immunohistochemistry-western-blot-elisa/78235>