

Rabbit MDK Polyclonal Antibody | anti-MDK antibody

MDK Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325855	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

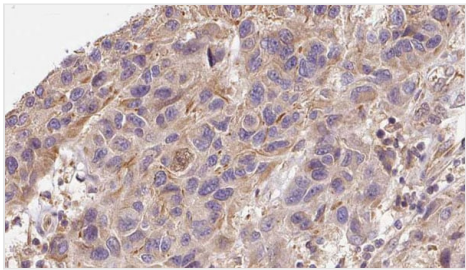
PRODUCT SYNONYMS

MDK; Polyclonal Antibody; MDK Antibody; Amphiregulin associated protein; Amphiregulin-associated protein; ARAP; FLJ27379; Mdk; Midgestation and kidney protein; Midkine; MK 1; MK; MK_HUMAN; MK1; NEGF 2; NEGF2; Neurite growth promoting factor 2; Neurite outgrowth promoting protein; Neurite outgrowth-promoting factor 2; Neurite outgrowth-promoting protein; Retinoic acid inducible factor; anti-MDK antibody

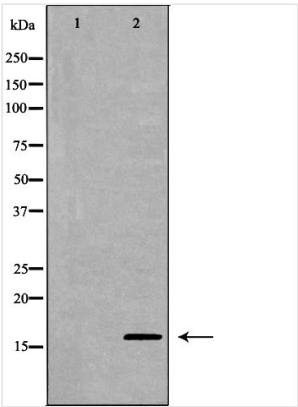
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MDK antibody detects endogenous levels of total MDK
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	143
Applicable Applications for anti-MDK antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MDK
Subcellular Location	Secreted.
Tissue Specificity	Expressed in various tumor cell lines. In insulinoma tissue predominantly expressed in precancerous lesions.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Sheep (100%), Chicken (88%), Xenopus (88%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
AAA325855 at 1/100 staining Human Melanoma tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of SW480, using MDK antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MDK antibody	Description: Midkine, or MK, is a heparin-binding molecule involved in the regulation of growth and differentiation during embryogenesis. MK expression is tightly regulated during embryonic development by steroid receptors of the retinoic acid superfamily. The mature human MK protein is 118 amino acids in length and contains five intrachain disulfide bonds. MK is a non-glycosylated protein that shows greater than 87% identity between human and mouse. The carboxy-terminus of MK contains the principle heparin-binding site and the molecule's neurite-promoting sequences; both the amino-and carboxy-terminal sequences are required for the molecule's neurotrophic properties. An association between overexpression of MK and colon adenocarcinoma has been shown in families suffering from familial polyposis. In addition, MK functions to enhance the activity of plasminogen activator (PA). Function: Developmentally regulated, secreted growth factor homologous to pleiotrophin (PTN), which has heparin binding activity. Binds anaplastic lymphoma kinase (ALK) which induces ALK activation and subsequent phosphorylation of the insulin receptor substrate (IRS1), followed by the activation of mitogen-activated protein kinase (MAPK) and PI3-kinase, and the induction of cell proliferation. Involved in neointima formation after arterial injury, possibly by mediating leukocyte recruitment. Also involved in early fetal adrenal gland development (By similarity). Subunit Structure: Homodimer. Interacts with ALK. Similarity: Belongs to the pleiotrophin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	59894796
NCBI GeneID	4192
NCBI Accession #	NP_001012333.1
NCBI GenBank Nucleotide #	NM_001012333.2
UniProt Accession #	P21741; Q2LEK4; Q9UCC7
Molecular Weight	Observed: 16 kDa Predicted: 16 kDa
NCBI Official Full Name	midkine isoform a
NCBI Official Synonym Full Names	midkine
NCBI Official Symbol	MDK
NCBI Official Synonym Symbols	MK; ARAP; NEGF2
NCBI Protein Information	midkine
UniProt Protein Name	Midkine

UniProt Gene Name	MDK
UniProt Synonym Gene Names	MK1; NEGF2; MK; ARAP

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://www.aaabiotech.com/polyclonal/mdk-antibody-immunohistochemistry-western-blot-elisa/325855>