Rabbit anti-Human, Rat MDK Polyclonal Antibody | anti-MDK antibody

MDK Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA267052	**Rabbit**	**Human, Rat**	**ELISA, Immunofluorescence, Immunohistochemistry, Western Blot**

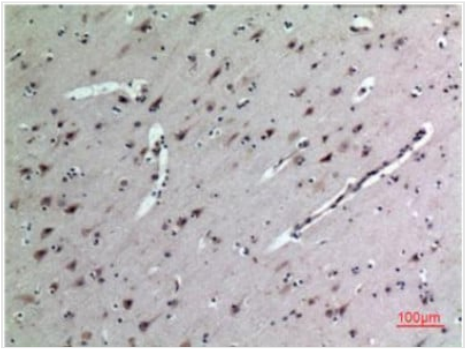
PRODUCT SYNONYMS

MDK; Polyclonal Antibody; MDK Antibody; FLJ27379; MK; NEGF2; anti-MDK antibody

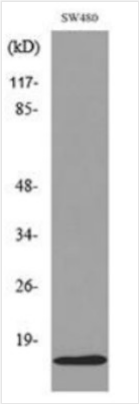
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MK Polyclonal Antibody detects endogenous levels of MK protein.
Purity/Purification	Affinity purification
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide
Sequence Length	143
Applicable Applications for anti-MDK antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Conjugation	APC
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human MDK. AA range:94-143
Organism	Human,Rat
Cellular Localization	Secreted.
Tissue specificity	Expressed in various tumor cell lines. In insulinoma tissue predominantly expressed in precancerous lesions.
Function	Function:Has heparin binding activity, and growth promoting activity. Involved in neointima formation after arterial injury, possibly by mediating leukocyte recruitment. Also involved in early fetal adrenal gland development.,induction:By heparin and retinoic acid.,similarity:Belongs to the pleiotrophin family.,subunit:Homodimer.
Preparation and Storage	Store at -15 degree C to -25 degree C / 1 year (Do not lower than -25 degree C)

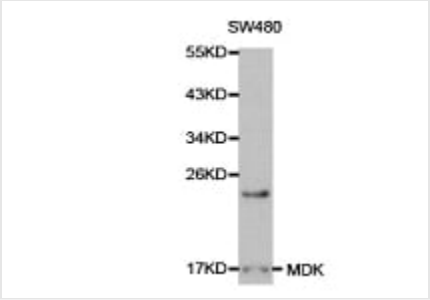
IMAGES



IHC (Immunohistochemisry)
Immunohistochemical analysis of paraffin- embedded human-brain, antibody was diluted at 1:100.



WB (Western Blot)
Western blot analysis of lysate from SW480 cells, using MDK Antibody.



WB (Western Blot)
Western blot analysis of extracts of SW480 cells, using MDK antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MDK antibody	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).
Product Categories/Family for anti-MDK antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

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	18kD (Observed)
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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