

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

MDK Antibody

|                               |                       |                                 |                                                                                      |
|-------------------------------|-----------------------|---------------------------------|--------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA267052</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Rat</b> | APPLICATIONS<br><b>ELISA, Immunofluorescence, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|---------------------------------|--------------------------------------------------------------------------------------|

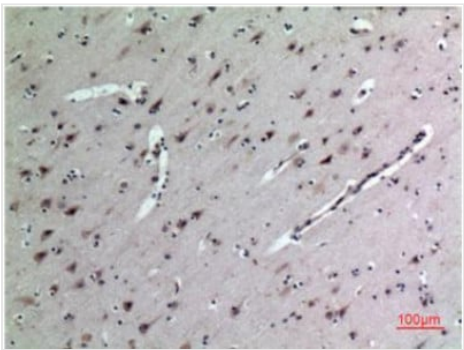
### PRODUCT SYNONYMS

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

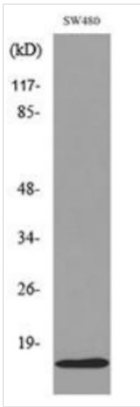
### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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)                                                                                                                                                                                                                                                             |

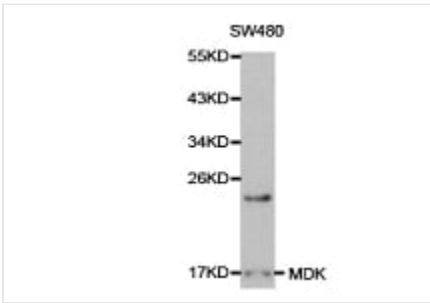
IMAGES



**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             | <b>MDK</b>           |
| 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/polyclonal/mdk-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/267052>