

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

MDK Antibody (C-term)

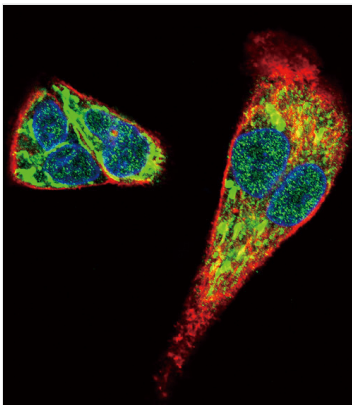
| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                  |
|-----------|--------|--------------|---------------------------------------------------------------|
| AAA290412 | Rabbit | Human, mouse | Immunofluorescence, Immunohistochemistry, ELISA, Western Blot |

### PRODUCT SYNONYMS

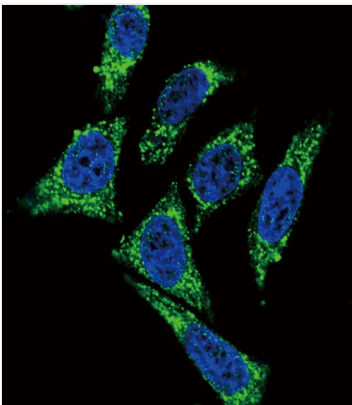
MDK; Polyclonal Antibody; MDK Antibody (C-term); Midkine; MK; Amphiregulin-associated protein; ARAP; Midgestation and kidney protein; Neurite outgrowth-promoting factor 2; Neurite outgrowth-promoting protein; MK1; NEGF2; anti-MDK antibody

### PRODUCT SPECIFICATIONS

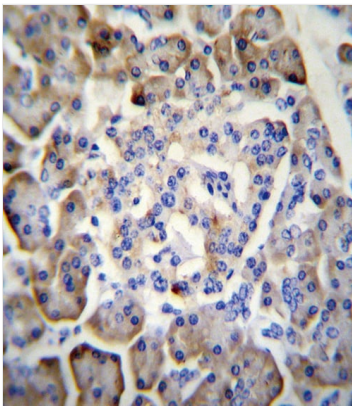
|                                               |                                                                                                                                                                                           |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                                                    |
| Reactivity                                    | Human, mouse                                                                                                                                                                              |
| Clonality                                     | Polyclonal                                                                                                                                                                                |
| Isotype                                       | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                   | This MDK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 113-143 amino acids from the C-terminal region of human MDK.                        |
| Purity/Purification                           | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                 |
| Form/Format                                   | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Concentration                                 | Vial Concentration: 2 (varies by lot)                                                                                                                                                     |
| Sequence Positions                            | 113-143                                                                                                                                                                                   |
| Sequence Length                               | 87                                                                                                                                                                                        |
| Applicable Applications for anti-MDK antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                             |
| Antigen Type                                  | Synthetic Peptide                                                                                                                                                                         |
| Antigen Source                                | HUMAN                                                                                                                                                                                     |
| Preparation and Storage                       | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                    |



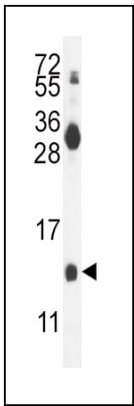
**IF (Immunofluorescence)**  
Confocal immunofluorescent analysis of MDK Antibody (C-term) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



**IF (Immunofluorescence)**  
Confocal immunofluorescent analysis of MDK Antibody (C-term) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



**IHC (Immunohistochemistry)**  
MDK Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MDK Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



**WB (Western Blot)**  
MDK Antibody (C-term) western blot analysis in mouse kidney tissue lysates (35ug/lane). This demonstrates the MDK antibody detected the MDK protein (arrow).

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MDK antibody | Midkine is a retinoic acid-responsive, heparin-binding growth factor expressed in various cell types during embryogenesis. It promotes angiogenesis, cell growth, and cell migration. Midkine is also expressed in several carcinomas, suggesting that it may play a role in tumorigenesis, perhaps through its effects on angiogenesis (summary by Reynolds et al., 2004 [PubMed 15197188]). |
| Product Categories/Family for anti-MDK antibody   | Neuroscience                                                                                                                                                                                                                                                                                                                                                                                  |
| References                                        | Ferreira, R.C., et al. Nat. Genet. 42(9):777-780(2010) Kerzerho, J., et al. J. Immunol. 185(1):418-423(2010) Yao, X., et al. Acta Pharmacol. Sin. 31(5):629-637(2010) Zhang, Z.H., et al. Cell Prolif. 43(2):184-194(2010) Rice, G.E., et al. J. Exp. Clin. Cancer Res. 29, 62 (2010) :                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                           |                                                                                             |
|---------------------------|---------------------------------------------------------------------------------------------|
| NCBI GI #                 | 59894796                                                                                    |
| NCBI GeneID               | 4192                                                                                        |
| NCBI Accession #          | NP_001012333.1; NP_001012334.1; NP_001257479.1; NP_001257480.1; NP_001257481.1; NP_002382.1 |
| NCBI GenBank Nucleotide # | NM_001012333.2                                                                              |

|                                  |                                                                          |
|----------------------------------|--------------------------------------------------------------------------|
| UniProt Accession #              | <a href="#">P21741</a> ; <a href="#">Q2LEK4</a> ; <a href="#">Q9UCC7</a> |
| Molecular Weight                 | 15585                                                                    |
| NCBI Official Full Name          | midkine isoform a                                                        |
| NCBI Official Synonym Full Names | midkine (neurite growth-promoting factor 2)                              |
| 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                                                     |
| UniProt Entry Name               | MK_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/polyclonal/mdk-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/290412>