

## Product datasheet for **AP52643PU-N**

### Midkine (MDK) (C-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western Blot:</b> 1/100-1/500. <b>Immunofluorescence:</b> 1/10-1/50. <b>Immunohistochemistry on Paraffin Sections:</b> 1/50-1/100.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 113-143 amino acids from the C-terminal region of Human Midkine
Specificity:	This antibody recognizes Human and Mouse Midkine (C-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	midkine (neurite growth-promoting factor 2)
Database Link:	<a href="#">Entrez Gene 17242 Mouse</a> <a href="#">Entrez Gene 4192 Human</a> <a href="#">P21741</a>



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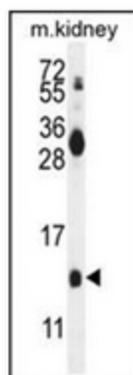
**Background:** Midkine is a retinoic acid-responsive, heparin-binding growth factor expressed in various cell types during embryogenesis. It promotes angiogenesis, cell growth, and cell migration. Midkine is also expressed in several carcinomas, suggesting that it may play a role in tumorigenesis, perhaps through its effects on angiogenesis (summary by Reynolds et al., 2004 [PubMed 15197188]).

**Synonyms:** MK, MDK, MK1, NEGF2, Neurite outgrowth-promoting protein

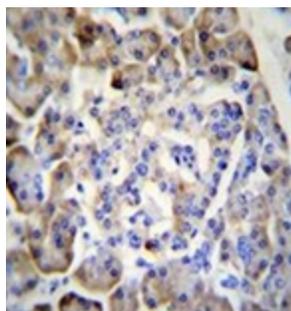
**Note:** **Molecular Weight:** 15585 Da

**Protein Families:** Druggable Genome, Secreted Protein, Transmembrane

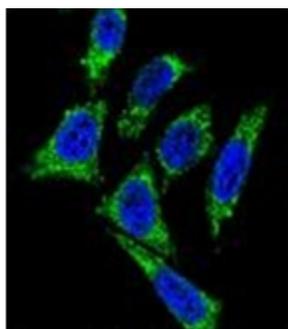
**Product images:**



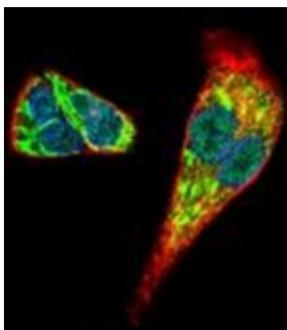
Western blot analysis of Midkine Antibody (C-term) in mouse kidney tissue lysates (35ug/lane).



Immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue reacted with Midkine Antibody (C-term), which was peroxidase conjugated to the secondary antibody and followed by DAB staining.



Confocal immunofluorescent analysis of Midkine 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).



Confocal immunofluorescent analysis of Midkine Antibody (C-term) with HepG2 cell followed by Alexa Fluor<sup>®</sup>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).