

Datasheet for ABIN656014
anti-Midkine antibody (C-Term)

3 Images

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Overview

Quantity:	400 µL
Target:	Midkine (MDK)
Binding Specificity:	AA 113-143, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Midkine antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	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.
Clone:	RB14452
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	Midkine (MDK)
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Target Details

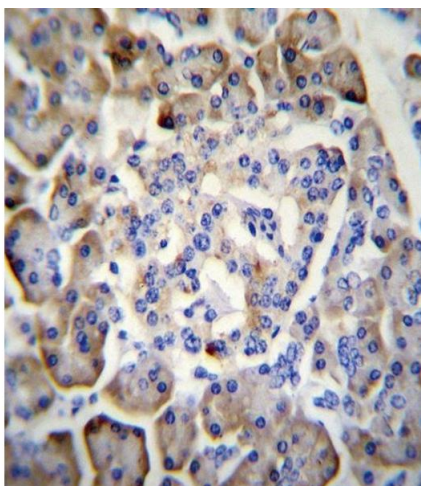
Alternative Name:	MDK (MDK Products)
Background:	Midkine is a retinoic acid-responsive, heparin-binding growth factor expressed in various cell types during embryogenesis. It promotes angiogenesis, cell growth, and cell migration. Midkine is also expressed in several carcinomas, suggesting that it may play a role in tumorigenesis, perhaps through its effects on angiogenesis (summary by Reynolds et al., 2004 [PubMed 15197188]).
Molecular Weight:	15585
Gene ID:	4192
NCBI Accession:	NP_001012333 , NP_001012334 , NP_001257479 , NP_001257480 , NP_001257481 , NP_002382
UniProt:	P21741
Pathways:	RTK Signaling , M Phase , Skeletal Muscle Fiber Development

Application Details

Application Notes:	IF: 1:10~50. WB: 1:2000. IHC-P: 1:10~50
Restrictions:	For Research Use only

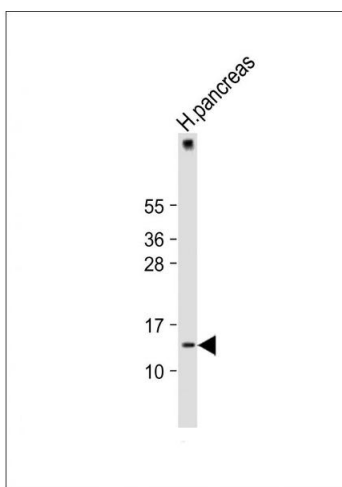
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



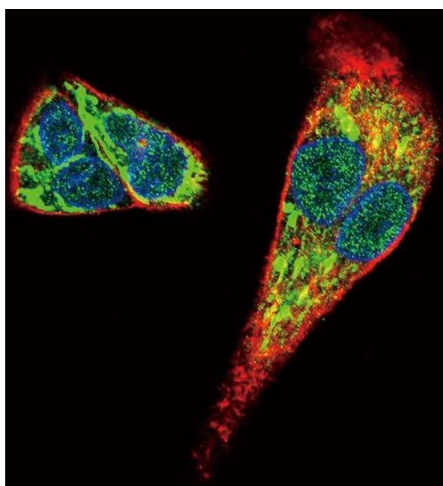
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. MDK Antibody (C-term) (ABIN656014 and ABIN2845390) 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.



Western Blotting

Image 2. Anti-MDK Antibody (C-term) at 1:2000 dilution + Human pancreas lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 16 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



Immunofluorescence

Image 3. Confocal immunofluorescent analysis of MDK Antibody (C-term) (ABIN656014 and ABIN2845390) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).