

Product datasheet

Anti-Midkine antibody - C-terminal ab170820

[1 References](#) [4 Images](#)

Overview

Product name	Anti-Midkine antibody - C-terminal
Description	Rabbit polyclonal to Midkine - C-terminal
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB, ICC/IF
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide within Human Midkine aa 110-143 (C terminal) conjugated to Keyhole Limpet Haemocyanin (KLH). The exact sequence is proprietary. Database link: P21741
Positive control	Mouse kidney tissue lysate; Human pancreas tissue; HeLa and HepG2 cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: 99% PBS
Purity	Ammonium Sulphate Precipitation
Purification notes	ab170820 is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab170820** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

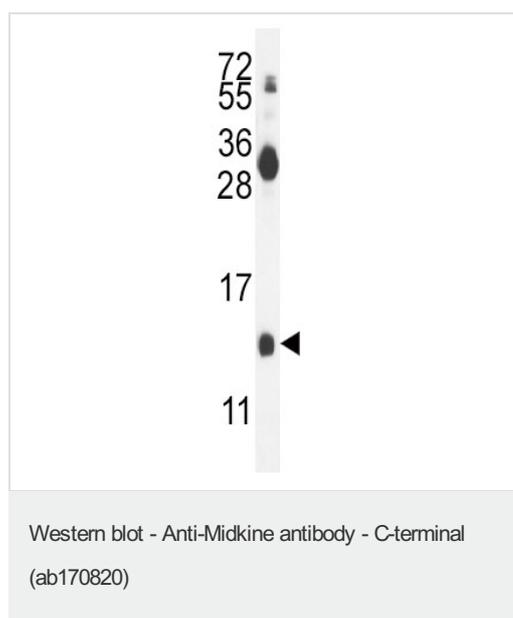
Application	Abreviews	Notes

Application	Abreviews	Notes
IHC-P		1/10 - 1/50. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/100 - 1/500. Predicted molecular weight: 16 kDa.
ICC/IF		1/10 - 1/50.

Target

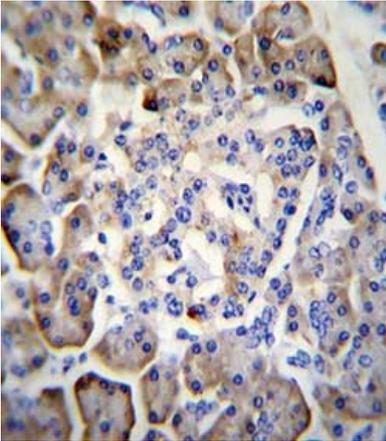
Function	Has heparin binding activity, and growth promoting activity. Involved in neointima formation after arterial injury, possibly by mediating leukocyte recruitment. Also involved in early fetal adrenal gland development.
Sequence similarities	Belongs to the pleiotrophin family.
Cellular localization	Secreted.

Images



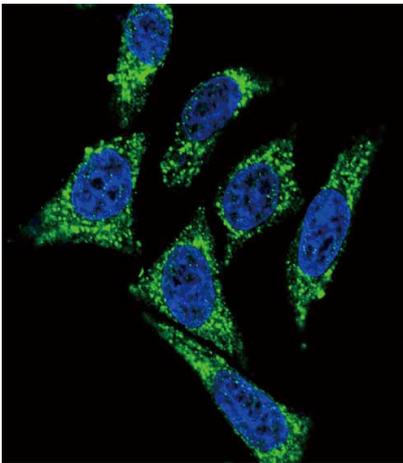
Anti-Midkine antibody - C-terminal (ab170820) at 1/100 dilution +
 Mouse kidney tissue lysate at 35 µg

Predicted band size: 16 kDa



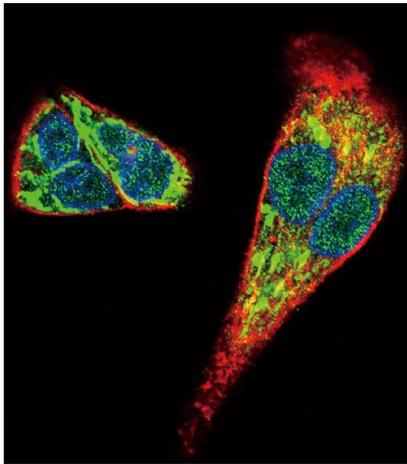
Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human pancreas tissue labeling Midkine with ab170820 at 1/10 dilution, followed by peroxidase conjugation of the secondary antibody and DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Midkine antibody - C-terminal (ab170820)



Confocal immunofluorescent analysis of HeLa cells labeling Midkine with ab170820 at 1/10 dilution, followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

Immunocytochemistry/ Immunofluorescence - Anti-Midkine antibody - C-terminal (ab170820)



Confocal immunofluorescent analysis of HepG2 cells labeling Midkine with ab170820 at 1/10 dilution, 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).

Immunocytochemistry/ Immunofluorescence - Anti-Midkine antibody - C-terminal (ab170820)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors