


Product datasheet

Anti-HDGF antibody [EPR7898] ab128921

Recombinant RabMAb

★★★★★ [2 Abreviews](#) [7 References](#) [6 Images](#)

Overview

Product name	Anti-HDGF antibody [EPR7898]
Description	Rabbit monoclonal [EPR7898] to HDGF
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human HDGF aa 100-200. The exact sequence is proprietary.
Positive control	HeLa, A549, SKBR-3 and ECV-304 cell lysates; Human hepatocellular carcinoma and Human colon tissues
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR7898

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab128921 in the following tested applications.

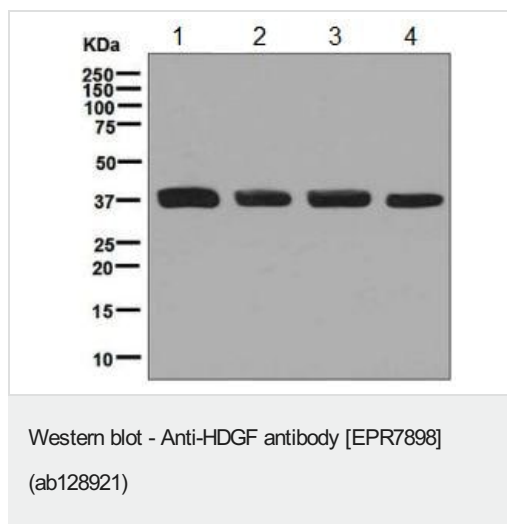
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		1/100 - 1/1000. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (1)	1/1000 - 1/10000. Detects a band of approximately 40 kDa (predicted molecular weight: 27 kDa).
IHC-P	★★★★★ (1)	1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
ICC/IF		1/250 - 1/500.

Target

Function	Heparin-binding protein, with mitogenic activity for fibroblasts. Acts as a transcriptional repressor.
Tissue specificity	Ubiquitous.
Sequence similarities	Belongs to the HDGF family. Contains 1 PWWP domain.
Domain	The PWWP domain harbors the heparin-binding sites and is responsible for DNA-binding, while the C-terminal region is essentially unstructured.
Post-translational modifications	Sumoylated by SUMO1. Sumoylation prevents binding to chromatin.
Cellular localization	Cytoplasm. Nucleus.

Images



All lanes : Anti-HDGF antibody [EPR7898] (ab128921) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : A549 cell lysate

Lane 3 : SKBR-3 cell lysate

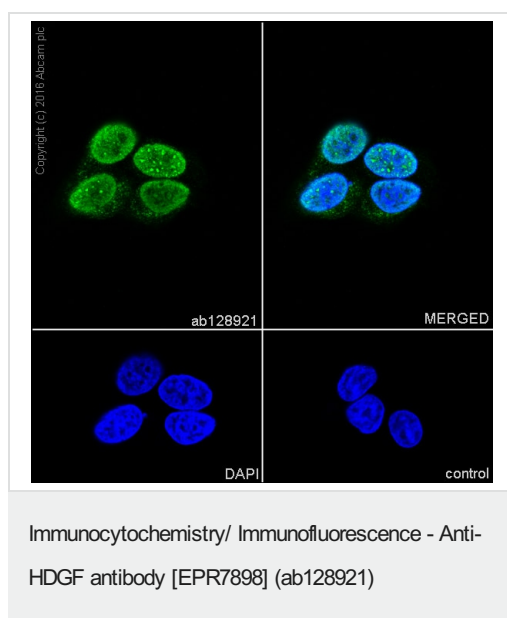
Lane 4 : ECV-304 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

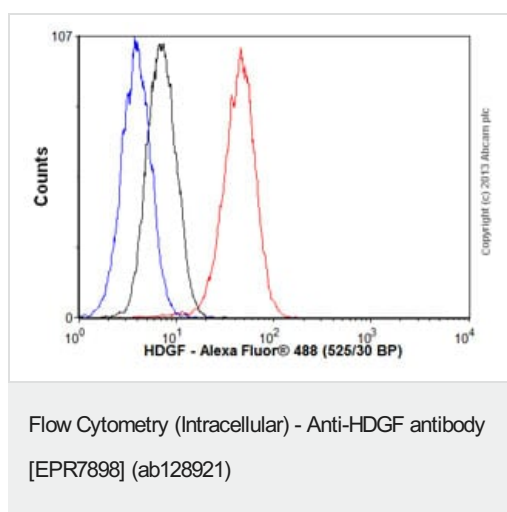
All lanes : Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 27 kDa

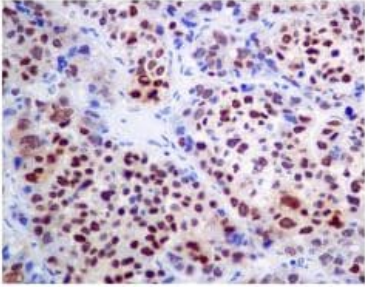


ab128921 staining HDGF in MCF-7 (human breast carcinoma) cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with 4% PFA and permeabilized with 0.1% triton X-100. Samples were incubated with primary antibody at a dilution of 1/500. A goat anti rabbit IgG (Alexa Fluor® 488) (**ab150077**) was used as the secondary antibody at a dilution of 1/1000.

DAPI was used as a nuclear counterstain and the negative control was PBS only.



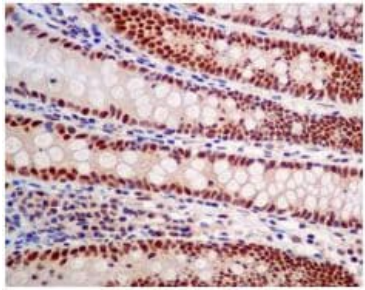
Overlay histogram showing HeLa cells stained with ab128921 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab128921, 1/1000 dilution) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H&L) (**ab150077**) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (0.1µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HDGF antibody
[EPR7898] (ab128921)

ab128921, at a 1/100 dilution, staining HDGF in paraffin embedded Human hepatocellular carcinoma tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HDGF antibody
[EPR7898] (ab128921)

ab128921, at a 1/100 dilution, staining HDGF in paraffin embedded Human colon tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Why choose a recombinant antibody?



Anti-HDGF antibody [EPR7898] (ab128921)

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

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