

Product datasheet

Anti-HDGF antibody [EPR7899] ab131046

Recombinant **RabMAb**

★★★★★ **2 Abreviews** [5 Images](#)

Overview

Product name	Anti-HDGF antibody [EPR7899]
Description	Rabbit monoclonal [EPR7899] to HDGF
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF, Flow Cyt (Intra) Unsuitable for: IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	A549, Saos-2, ECV-304, and 293T cell lysates; A549 cells; Human colon tissue
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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

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

Clone number	EPR7899
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab131046 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

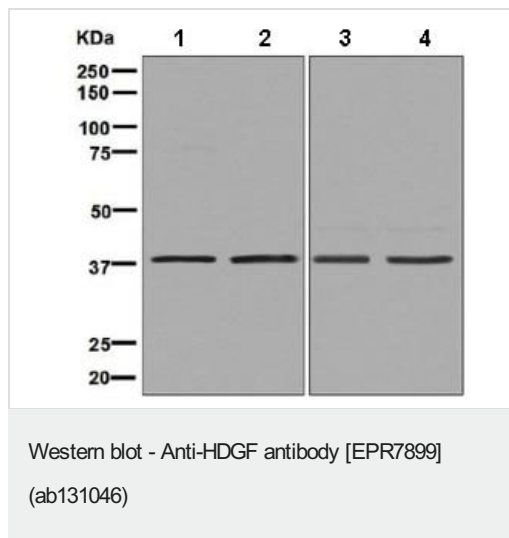
Application	Abreviews	Notes
WB	★★★★★ (2)	1/10000 - 1/50000. Detects a band of approximately 40 kDa (predicted molecular weight: 27 kDa).
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/250 - 1/500.
Flow Cyt (Intra)		1/1000. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Application notes Is unsuitable for IP.

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 [EPR7899] (ab131046) at 1/10000 dilution

Lane 1 : A549 cell lysate

Lane 2 : Saos-2 cell lysate

Lane 3 : ECV-304 cell lysate

Lane 4 : 293T (Human embryonic kidney epithelial cell) cell lysate

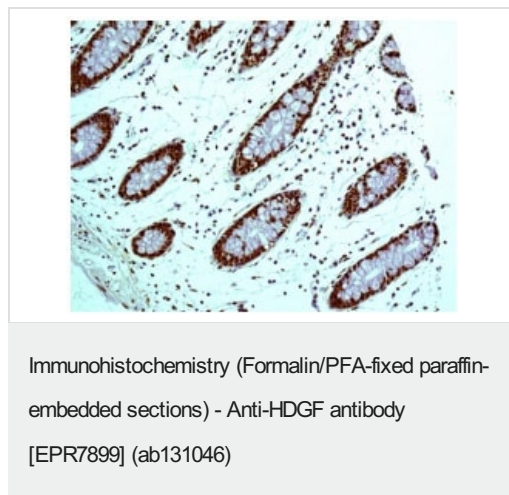
Lysates/proteins at 10 µg per lane.

Secondary

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

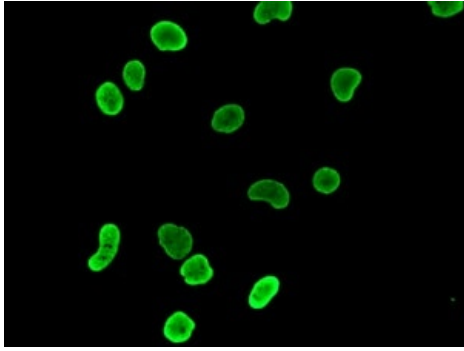
Predicted band size: 27 kDa

Observed band size: 40 kDa



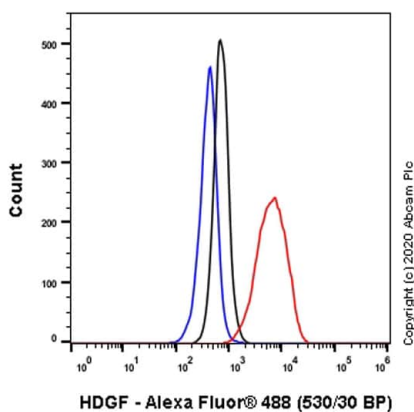
Immunohistochemical analysis of paraffin-embedded Human colon tissue labelling HDGF with ab131046 antibody at 1/250 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-HDGF antibody [EPR7899] (ab131046)

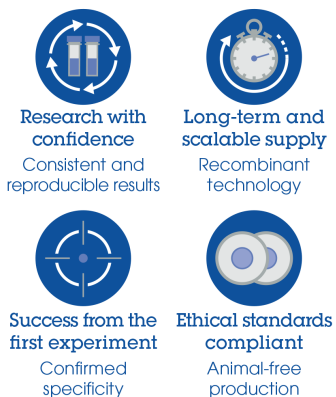
Immunofluorescence analysis of A549 cells labelling HDGF with ab131046 antibody at 1/250 dilution.



Flow Cytometry (Intracellular) - Anti-HDGF antibody [EPR7899] (ab131046)

Flow Cytometry analysis of A549 (Human lung carcinoma epithelial cell) cells labeling HDGF with purified ab131046 at 1/1000 dilution (1 µg/mL) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).

Why choose a recombinant antibody?



Anti-HDGF antibody [EPR7899] (ab131046)

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