

Product datasheet

HRP Anti-HDGF antibody [EPR7898] ab201820

Recombinant RabMAb

4 Images

Overview

Product name	HRP Anti-HDGF antibody [EPR7898]
Description	HRP Rabbit monoclonal [EPR7898] to HDGF
Host species	Rabbit
Conjugation	HRP
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: A549 and SKBR-3 whole cell lysates. IHC-P: FFPE human placenta (normal) tissue sections.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

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. Stable for 12 months at -20°C. Store In the Dark.
Storage buffer	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: PBS, 30% Glycerol (glycerin, glycerine), 1% BSA
Purity	Protein A purified
Clonality	Monoclonal

Clone number EPR7898
Isotype IgG

Applications

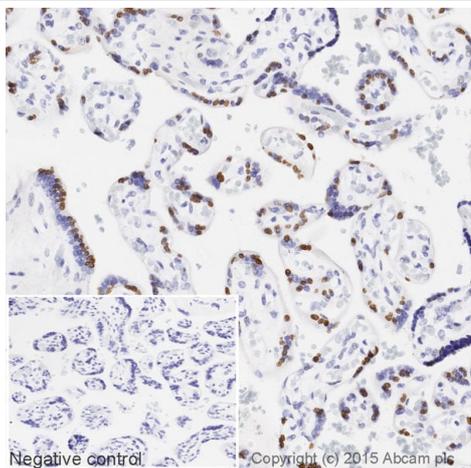
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab201820 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/1000. Detects a band of approximately 36 kDa (predicted molecular weight: 27 kDa).

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

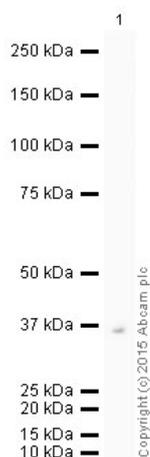


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - HRP Anti-HDGF antibody [EPR7898] (ab201820)

IHC image of HDGF staining in a section of formalin-fixed paraffin-embedded human placenta (normal)*, performed on a Leica BOND. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with ab201820, 1/100 dilution, for 15 mins at room temperature. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. The inset negative control image is taken from an identical assay without primary antibody.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre



Western blot - HRP Anti-HDGF antibody [EPR7898] (ab201820)

HRP Anti-HDGF antibody [EPR7898] (ab201820) at 1/1000 dilution + SKBR3 (Human breast adenocarcinoma epithelial cell line) Whole Cell Lysate at 10 µg

Developed using the ECL technique.

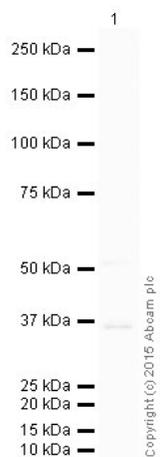
Performed under reducing conditions.

Predicted band size: 27 kDa

Observed band size: 36 kDa

Exposure time: 2 minutes

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 3% milk before being incubated with ab201820 overnight at 4°C. Antibody binding was visualised using ECL development solution [ab133406](#).



Western blot - HRP Anti-HDGF antibody [EPR7898] (ab201820)

HRP Anti-HDGF antibody [EPR7898] (ab201820) at 1/1000 dilution + A549 (Human lung adenocarcinoma epithelial cell line) Whole Cell Lysate at 10 µg

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 27 kDa

Observed band size: 36 kDa

Exposure time: 1 minute

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 3% milk before being incubated with ab201820 overnight at 4°C. Antibody binding was visualised using ECL development solution [ab133406](#).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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

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