

Product datasheet

Anti-FGL1 antibody [EPR24018-27] ab275091

Recombinant RabMAb

[2 References](#) [8 Images](#)

Overview

Product name	Anti-FGL1 antibody [EPR24018-27]
Description	Rabbit monoclonal [EPR24018-27] to FGL1
Host species	Rabbit
Tested applications	Suitable for: IHC-P, IP, Flow Cyt (Intra), WB Unsuitable for: ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human liver tissue lysate: HepG2 and Huh7 whole cell lysates. IHC-P: Human liver and hepatocellular carcinoma tissue. Flow Cyt (intra): HepG2 cells. IP: HepG2 whole cell lysate.
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 +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR24018-27
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab275091 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

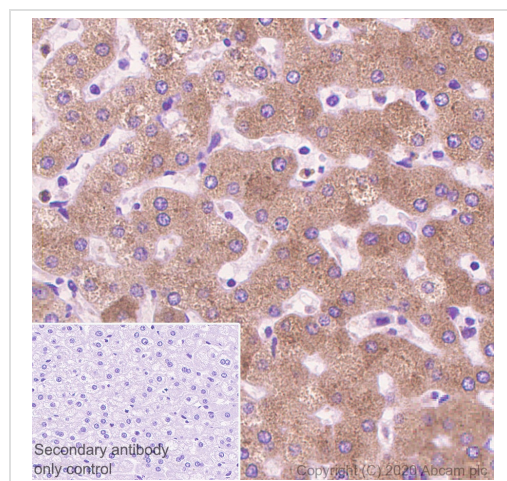
Application	Abreviews	Notes
IHC-P		1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IP		1/30.
Flow Cyt (Intra)		1/50.
WB		1/1000. Detects a band of approximately 34 kDa (predicted molecular weight: 36 kDa).

Application notes Is unsuitable for ICC/IF.

Target

Function Has hepatocyte mitogenic activity.
Tissue specificity Liver specific.
Sequence similarities Contains 1 fibrinogen C-terminal domain.
Cellular localization Secreted.

Images

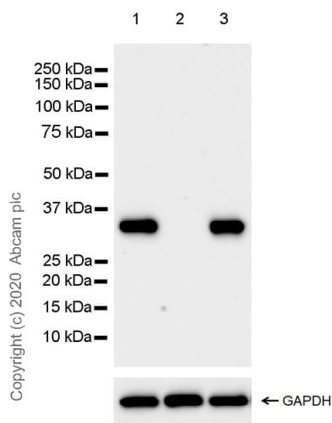


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FGL1 antibody [EPR24018-27] (ab275091)

Immunohistochemical analysis of paraffin-embedded human liver tissue labeling FGL1 with ab275091 at 1/500 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Cytoplasmic staining in human liver (PMID: 11470158). The section was incubated with ab275091 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.



Western blot - Anti-FGL1 antibody [EPR24018-27] (ab275091)

All lanes : Anti-FGL1 antibody [EPR24018-27] (ab275091) at 1/1000 dilution

Lane 1 : Human liver tissue lysate

Lane 2 : Human brain tissue lysate

Lane 3 : HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : VeriBlot for IP secondary antibody(HRP)(**ab131366**) at 1/1000 dilution

Predicted band size: 36 kDa

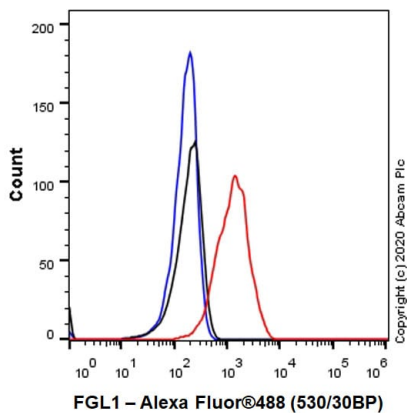
Observed band size: 34 kDa

Blocking and dilution buffer: 5% NFDm/TBST.

Exposure time: 15 seconds.

The molecular weight observed is consistent with what has been described in the literature (PMID: 11004478).

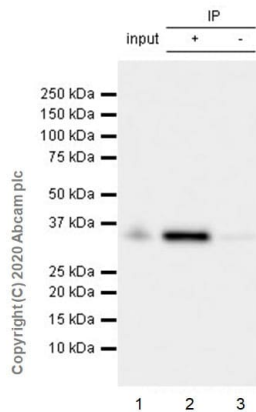
Negative control: Human brain (PMID: 11470158).



Flow Cytometry (Intracellular) - Anti-FGL1 antibody [EPR24018-27] (ab275091)

Intracellular flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized HepG2 (Human hepatocellular carcinoma epithelial cell) cells labelling FGL1 with ab275091 at 1/50 dilution (1ug) (Red) compared with a Rabbit monoclonal IgG (**ab172730**) isotype control (Black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue).

A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) at 1/2000 dilution was used as the secondary antibody.



Immunoprecipitation - Anti-FGL1 antibody
[EPR24018-27] (ab275091)

FGL1 was immunoprecipitated from 0.35 mg HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysate with ab275091 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab275091 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used at 1/5000 dilution.

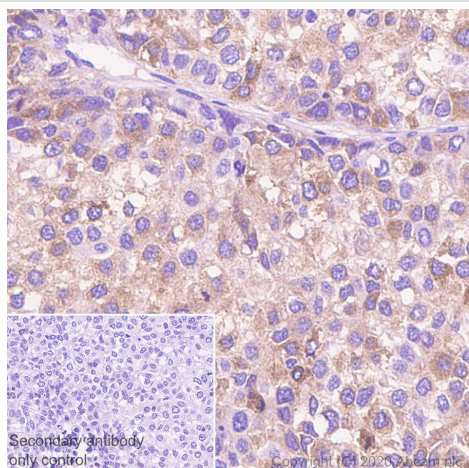
Lane 1: HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysate 10 ug

Lane 2: ab275091 IP in HepG2 whole cell lysate

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab1D1 in HepG2 whole cell lysate

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 3 seconds.

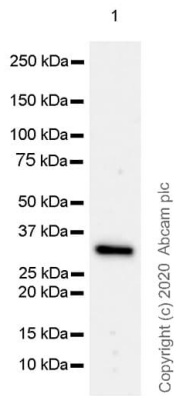


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FGL1 antibody
[EPR24018-27] (ab275091)

Immunohistochemical analysis of paraffin-embedded human hepatocellular carcinoma tissue labeling FGL1 with ab275091 at 1/500 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Cytoplasmic staining in human hepatocellular carcinoma (PMID: 14981537). The section was incubated with ab275091 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND[®] RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.



Western blot - Anti-FGL1 antibody [EPR24018-27] (ab275091)

Anti-FGL1 antibody [EPR24018-27] (ab275091) at 1/1000 dilution + Huh7 (human hepatocellular carcinoma epithelial cell) whole cell lysate at 20 μ g

Secondary

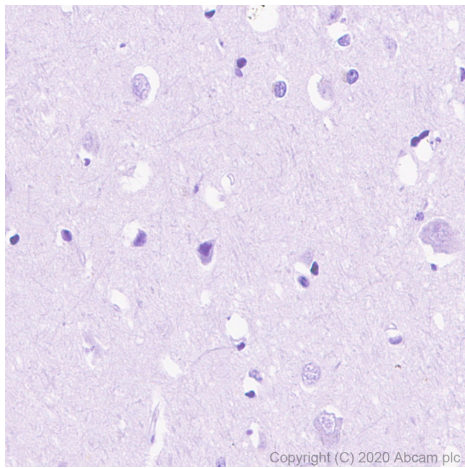
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) at 1/50000 dilution

Predicted band size: 36 kDa

Observed band size: 34 kDa

Blocking and dilution buffer: 5% NFDm/TBST.

Exposure time: 3 minutes.







Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FGL1 antibody [EPR24018-27] (ab275091)

Immunohistochemical analysis of paraffin-embedded human cerebrum tissue labeling FGL1 with ab275091 at 1/500 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). **Negative control:** No staining in human cerebrum (PMID: 14981537). The section was incubated with ab275091 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND[®] RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-FGL1 antibody [EPR24018-27] (ab275091)

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