abcam

ab269407

Anti-Fetuin A antibody [EPR22294-91] - BSA and Azide free (Detector)

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	EPR22294-91
Purification technique	Affinity purification Protein A
Concentration	1.007 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

WB

Tested

Species	Human
Dilution info	1/1000

Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/10000
Notes	-

IHC-P

Not recommended

Species	Human
Dilution info	-
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/1000
Notes	-

sELISA

Expected

Species	Human
Dilution info	Use at an assay dependent concentration.
Notes	-

Target data

See full target information AHSG

Function	Promotes endocytosis, possesses opsonic properties and influences the mineral phase of bone. Shows affinity for calcium and barium ions.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C

Notes

ab269407 is a BSA and Azide Free antibody supplied in an unconjugated format and it is suitable for sandwich ELISAs to quantify Human Fetuin-A. The recommended pair for sandwich ELISA is:
Capture: ab269406, Human Fetuin-A Capture Antibody (unconjugated)
Detector: ab269407, Human Fetuin-A Detector Antibody (unconjugated)
The reference range value is 203.125 - 13000 pg/ml.

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Conjugation ready
Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Sandwich ELISA
The recommended antibody orientation is based on internal optimization for ELISA-based assays. Antibody orientation is assay dependent and needs to be optimized for each assay type. Please note that the range provided for this antibody is only an estimation based on the performance of the product using the recommended antibody pair. Performance of the antibody pair will depend on the specific characteristics of your assay. We guarantee the product works in sandwich ELISA, but we do not guarantee the sensitivity or dynamic range of the antibody in your assay.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

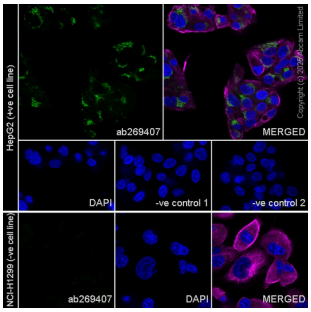
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

5 product images



Immunocytochemistry/ Immunofluorescence - Anti-Fetuin A antibody [EPR22294-91] - BSA and Azide free (Detector) (ab269407)

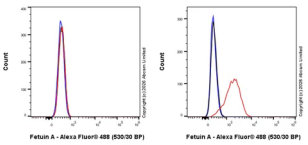
Fetuin A Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-Fetuin A antibody

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized HepG2 (human hepatocellular carcinoma epithelial cell)/NCI-H1299 (human lung carcinoma epithelial cell) cells labelling Fetuin A with ab269407 at 1/1000 dilution , followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 dilution (Green).

Confocal image showing cytoplasmic staining in HepG2 cell line (shown in green). The counterstain was observed in magenta. Nuclear DNA was labelled with DAPI (shown in blue). Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).
Negative control: NCI-H1299.

ab7291 Anti-alpha Tubulin mouse monoclonal antibody was used to counterstain tubulin at 1/1000 dilution (Magenta). The Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution.



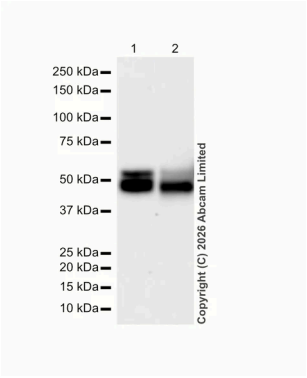
Flow Cytometry (Intracellular) - Anti-Fetuin A antibody [EPR22294-91] - BSA and Azide free (Detector) (ab269407)

Fetuin A Flow Cytometry (Intracellular) staining using rabbit Anti-Fetuin A antibody

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized NCI-H1299 (human lung carcinoma epithelial cell, Left) HepG2 (human hepatocellular carcinoma epithelial cell, Right) cells labelling Fetuin A with ab269407 at 1/10000 dilution (0.01ug) / Red compared with a Rabbit monoclonal IgG (ab172730) / Black isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Goat Anti-Rabbit IgG (Alexa Fluor® 488, ab150081) at 1/5000 dilution was used as the secondary antibody.

Negative control: NCI-H1299.



Western blot - Anti-Fetuin A antibody [EPR22294-91] - BSA and Azide free (Detector) (ab269407)

Fetuin A Western blot staining using rabbit Anti-Fetuin A antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

The expression profile/ molecular weight observed is consistent with what has been described in the literature (PMID: 30060600).

This blot was developed using a high-sensitivity ECL substrate, allowing for the detection of proteins in the mid-femtogram range.

All lanes:
Western blot - Anti-Fetuin A antibody [EPR22294-91] - BSA and Azide free (Detector) (ab269407) at 1/1000 dilution

Lane 1:
Human liver tissue lysate at 20 µg

Lane 2:
Human kidney tissue lysate at 20 µg

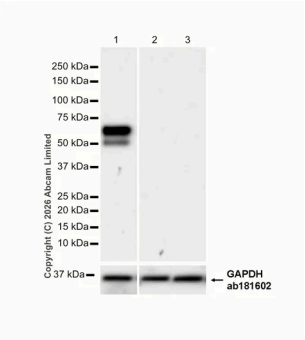
Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Developed using the ECL technique.

Observed band size: 55-59 kDa

Exposure time: 59s



Western blot - Anti-Fetuin A antibody [EPR22294-91] - BSA and Azide free (Detector) (ab269407)

Fetuin A Western blot staining using rabbit Anti-Fetuin A antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Low expression: A375 and NCI-H1299.

The expression profile/ molecular weight observed is consistent with what has been described in the literature (PMID: 30060600).

In Western blot, Anti-GAPDH antibody [EPR16891] - Loading Control (ab181602) was used at 1/200000 dilution.

All lanes:
Western blot - Anti-Fetuin A antibody [EPR22294-91] - BSA and Azide free (Detector) (ab269407) at 1/1000 dilution

Lane 1:
HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysate at 20 µg

Lane 2:
A375 (human malignant melanoma epithelial cell) whole cell lysate at 20 µg

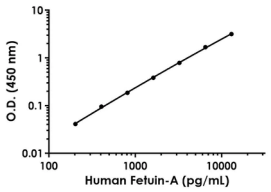
Lane 3:
NCI-H1299 (human lung carcinoma epithelial cell) whole cell lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Observed band size: 55-59 kDa

Exposure time: 37s



Sandwich ELISA - Anti-Fetuin A antibody [EPR22294-91] - BSA and Azide free (Detector) (ab269407)

Representative standard curve from corresponding SimpleStep ELISA® Kit (ab269372).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.