

Product datasheet

Anti-FBP1 + FBP2 antibody [EPR4619] ab109020

Recombinant RabMAb

[12 References](#) [9 Images](#)

Overview

Product name	Anti-FBP1 + FBP2 antibody [EPR4619]
Description	Rabbit monoclonal [EPR4619] to FBP1 + FBP2
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	HL60 lysate treated with vitamin D3, MCF7 and Human fetal liver lysates; Human kidney and liver 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: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR4619
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab109020 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		1/1000 - 1/10000. Predicted molecular weight: 37 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Heat up to 98 °C, below boiling, and then let cool for 10-20 min.

Application notes

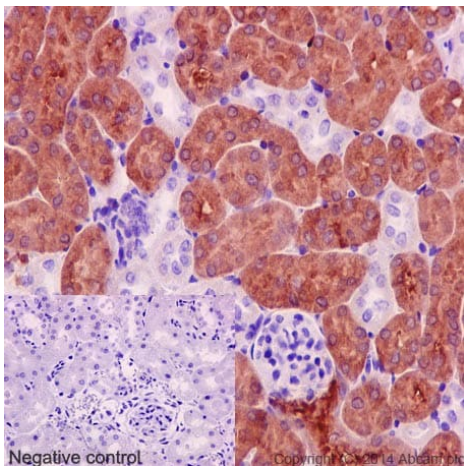
Is unsuitable for ICC/IF.

Target

Cellular localization

FBP2: Cell junction. Cytoplasm. Nucleus. Cytoplasm, myofibril, sarcomere, Z line. In neonatal cardiomyocytes, distributed throughout the cytosol, accumulating in the intercalated disks which occur at the Z line of cardiomyocytes and connect adjacent cells, and also located in the nucleus; dissociates from the Z line following an increase in cytosolic Ca(2+) concentration (By similarity). In muscle precursor cells, localizes predominantly to the nucleus and to a lesser extent to the cytoplasm at the proliferative phase, while mainly localizing to the cytoplasm at the differentiation phase (By similarity). Colocalizes with ALDOA and alpha-actinin on both sides of the Z line of skeletal muscle; dissociates rapidly from the Z line following an increase in cytosolic Ca(2+) concentration.

Images

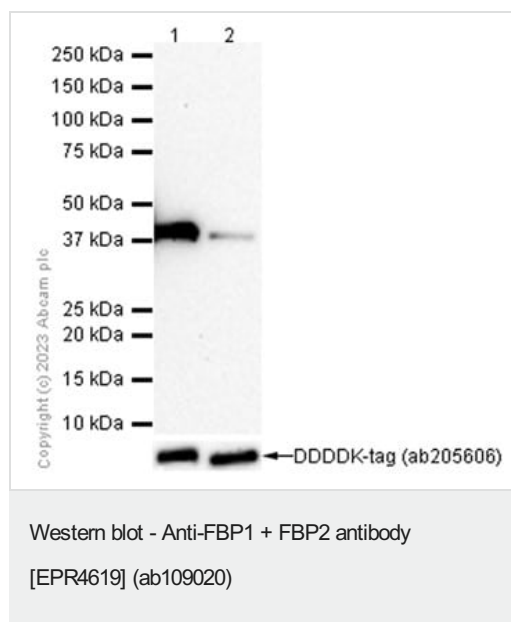


ab109020 at 1:500 staining Anti-FBP1 + FBP2 antibody in mouse kidney tissue by immunohistochemistry (FFPE).

Immunohistochemical analysis of paraffin-embedded mouse kidney tissue labeling FBP1 with ab109020 at 1/500 dilution followed by Goat Anti-Rabbit IgG H&L (HRP). Counter stained with hematoxylin.

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

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FBP1 + FBP2 antibody [EPR4619] (ab109020)



All lanes : Anti-FBP1 + FBP2 antibody [EPR4619] (ab109020) at 1/10000 dilution

Lane 1 : C-Myc/DDK-tagged human FBP1 full length recombinant protein

Lane 2 : C-Myc/DDK-tagged human FBP2 full length recombinant protein

Lysates/proteins at 0.01 µg per lane.

Secondary

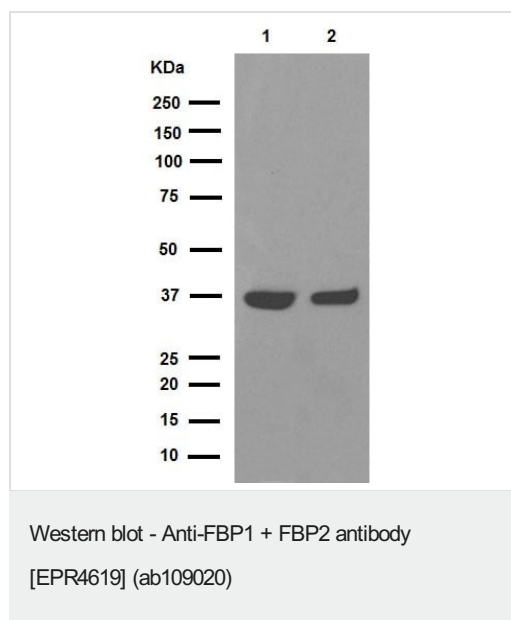
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 37 kDa

Observed band size: 37 kDa

Exposure time: 180 seconds

Blocking/Diluting buffer and concentration: 5% NFDM/TBST



All lanes : Anti-FBP1 + FBP2 antibody [EPR4619] (ab109020) at 1/10000 dilution (purified)

Lane 1 : Mouse liver

Lane 2 : Rat liver

Lysates/proteins at 20 µg per lane.

Secondary

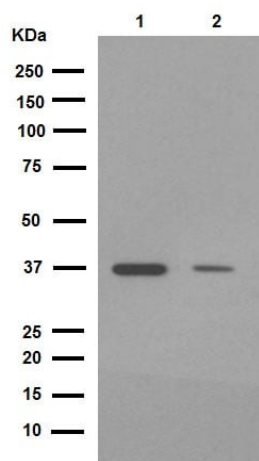
All lanes : HRP goat anti-rabbit (H+L) at 1/1000 dilution

Predicted band size: 37 kDa

Observed band size: 37 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Western blot - Anti-FBP1 + FBP2 antibody
[EPR4619] (ab109020)

All lanes : Anti-FBP1 + FBP2 antibody [EPR4619] (ab109020) at 1/2000 dilution (purified)

Lane 1 : MCF7 cell lysate

Lane 2 : HL-60 cell lysate treated with vitamin D3

Lysates/proteins at 20 µg per lane.

Secondary

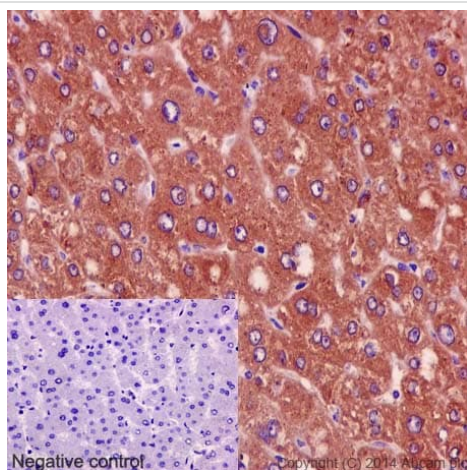
All lanes : HRP goat anti-rabbit (H+L) at 1/2000 dilution

Predicted band size: 37 kDa

Observed band size: 37 kDa

Blocking buffer: 5% NFDM/TBST

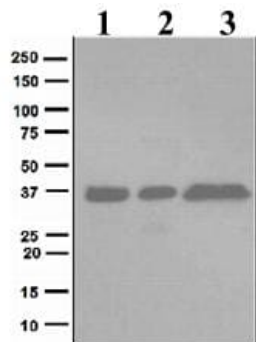
Dilution buffer: 5% NFDM/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FBP1 + FBP2 antibody
[EPR4619] (ab109020)

ab109020 at 1:500 staining Anti-FBP1 + FBP2 antibody in human liver tissue by immunohistochemistry (FFPE). Immunohistochemical analysis of paraffin-embedded human liver tissue labeling FBP1 with ab109020 at 1/500 dilution followed by Goat Anti-Rabbit IgG H&L (HRP). Counter stained with hematoxylin.

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



Western blot - Anti-FBP1 + FBP2 antibody
[EPR4619] (ab109020)

All lanes : Anti-FBP1 + FBP2 antibody [EPR4619] (ab109020) at 1/1000 dilution (unpurified)

Lane 1 : MCF7 cell lysate

Lane 2 : Human fetal liver tissue lysate

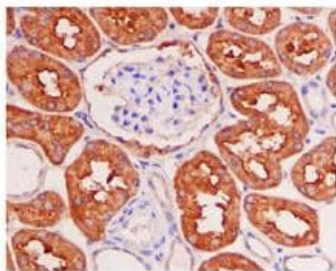
Lane 3 : HL60 cell lysate, treated with vitamin D3

Lysates/proteins at 10 µg per lane.

Predicted band size: 37 kDa

Blocking buffer: 5% NFDM/TBST

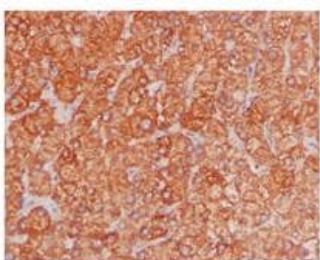
Dilution buffer: 5% NFDM/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FBP1 + FBP2 antibody
[EPR4619] (ab109020)

Unpurified ab109020 at 1/50 dilution staining FBP1 + FBP2 in Human Kidney by immunohistochemistry, paraffin-embedded tissue.

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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FBP1 + FBP2 antibody
[EPR4619] (ab109020)

Unpurified ab109020 at 1/50 dilution staining FBP1 + FBP2 in Human liver by immunohistochemistry, paraffin-embedded tissue.

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

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

Anti-FBP1 + FBP2 antibody [EPR4619] (ab109020)

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

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