


Product datasheet

Anti-FBP1 + FBP2 antibody [EPR7435] ab131333

Recombinant RabMAb

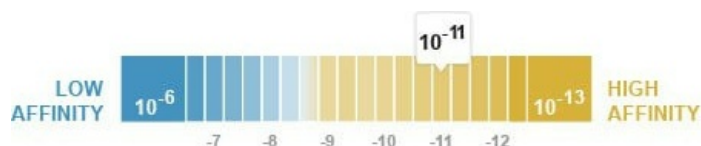
4 Images

Overview

Product name	Anti-FBP1 + FBP2 antibody [EPR7435]
Description	Rabbit monoclonal [EPR7435] to FBP1 + FBP2
Host species	Rabbit
Specificity	The immunogen used for this product shares 93% homology with FBP1. Cross-reactivity with this protein has not been confirmed experimentally.
Tested applications	Suitable for: WB Unsuitable for: IHC-P or IP
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	Fetal kidney, Human skeletal muscle and fetal liver lysates.
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 -20°C. Stable for 12 months at -20°C.
Dissociation constant (K_D)	K _D = 5.17 x 10 ⁻¹¹ M



[Learn more about K_D](#)

Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR7435
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab131333 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

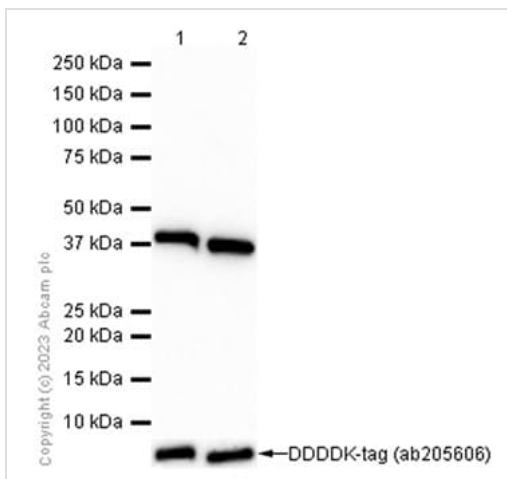
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 34 kDa (predicted molecular weight: 37 kDa).

Application notes Is unsuitable for IHC-P or IP.

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



Western blot - Anti-FBP1 + FBP2 antibody [EPR7435] (ab131333)

All lanes : Anti-FBP1 + FBP2 antibody [EPR7435] (ab131333) 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

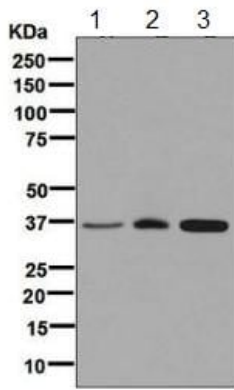
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 37 kDa

Observed band size: 37 kDa

Exposure time: 20 seconds

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



Western blot - Anti-FBP2 antibody [EPR7435]
(ab131333)

All lanes : Anti-FBP1 + FBP2 antibody [EPR7435] (ab131333) at
1/1000 dilution

Lane 1 : Fetal kidney lysates

Lane 2 : Human skeletal muscle lysates

Lane 3 : Fetal liver lysates

Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 37 kDa


OL-RD Scanning - Anti-FBP2 antibody [EPR7435]
(ab131333)

Equilibrium disassociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

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-FBP2 antibody [EPR7435] (ab131333)

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

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