Product datasheet

Anti-FBXO2 antibody [EPR7328(2)] ab133717

2 References 3 Images

Overview

Product name Anti-FBXO2 antibody [EPR7328(2)]
Description Rabbit monoclonal [EPR7328(2)] to FBXO2
Host species Rabbit
Tested applications Suitable for: WB, Flow Cyt
Unsuitable for: ICC, IHC-P or IP
Species reactivity Reacts with: Mouse, Rat, Human
Immunogen Synthetic peptide corresponding to a region within Human FBXO2 (Q9UK22).
Positive control Human fetal brain lysate, NIH/3T3 cells and cell lysate, Neuro2a cell lysate, Human fetal lung lysate, HT29 cell lysate, U87 MG cell lysate.

General notes

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

This product is a recombinant rabbit monoclonal antibody.

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 = 2.71 x 10^{-10} M

Storage buffer pH: 7.20
Preservative: 0.01% Sodium azide
Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant

Purity Tissue culture supernatant
**Clonality**
Monoclonal

**Clone number**
EPR7328(2)

**Isotype**
IgG

**Applications**

Our **Abpromise guarantee** covers the use of ab133717 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td></td>
<td>1/10000 - 1/50000. Detects a band of approximately 33 kDa (predicted molecular weight: 33 kDa).</td>
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<tr>
<td>Flow Cyt</td>
<td></td>
<td>1/10 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.</td>
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</table>

**Application notes**
Is unsuitable for ICC, IHC-P or IP.

**Target**

**Function**
Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex that mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Involved in the endoplasmic reticulum-associated degradation pathway (ERAD) for misfolded luminal proteins by recognizing and binding sugar chains on unfolded glycoproteins that are retrotranslocated into the cytosol and promoting their ubiquitination and subsequent degradation. Prevents formation of cytosolic aggregates of unfolded glycoproteins that have been retrotranslocated into the cytosol. Able to recognize and bind denatured glycoproteins, preferentially those of the high-mannose type.

**Pathway**
Protein modification; protein ubiquitination.

**Sequence similarities**
Contains 1 F-box domain.
Contains 1 FBA (F-box associated) domain.

**Cellular localization**
Cytoplasm. Microsome membrane.
Western blot - Anti-FBXO2 antibody [EPR7328(2)] (ab133717)

All lanes: Anti-FBXO2 antibody [EPR7328(2)] (ab133717) at 1/10000 dilution

Lane 1: Human fetal brain lysate
Lane 2: NIH 3T3 cell lysate
Lane 3: Neuro 2a cell lysate
Lane 4: Human fetal lung lysate
Lane 5: HT29 cell lysate
Lane 6: U87 MG cell lysate

Lysates/proteins at 10 µg per lane.

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

Predicted band size: 33 kDa

Flow cytometric analysis of permeabilized NIH 3T3 cells labelling FBXO2 with ab133717 at 1/10 (red) or a rabbit IgG negative control antibody (green).
Other - Anti-FBXO2 antibody [EPR7328(2)]
(ab133717)

Equilibrium disassociation constant ($K_D$)
Learn more about $K_D$

Click here to learn more about $K_D$

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

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