

Product datasheet

Anti-FBXO31 antibody [1H1] ab119304

[2 Images](#)

Overview

Product name	Anti-FBXO31 antibody [1H1]
Description	Mouse monoclonal [1H1] to FBXO31
Host species	Mouse
Tested applications	Suitable for: WB, Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length Human FBXO31 produced in HEK293T cells (NP_079011).
Positive control	HEK293T cell lysate transfected with pCMV6-ENTRY FBXO31 cDNA; HEK293T cells transfected with FBXO31 overexpress plasmid.
General notes	Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 48% PBS, 1% BSA, 50% Glycerol
Purity	Protein A purified
Purification notes	ab119304 is purified from Mouse ascites fluid by affinity chromatography.
Clonality	Monoclonal
Clone number	1H1
Isotype	IgG2b

Applications

Our [Abpromise guarantee](#) covers the use of **ab119304** in the following tested applications.

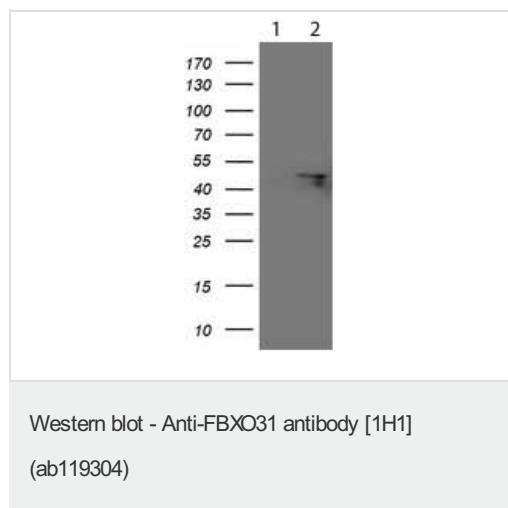
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000. Predicted molecular weight: 61 kDa.
Flow Cyt		1/100. ab170192 - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.

Target

Function	Component of some SCF (SKP1-cullin-F-box) protein ligase complex that plays a central role in G1 arrest following DNA damage. Specifically recognizes phosphorylated cyclin-D1 (CCND1), promoting its ubiquitination and degradation by the proteasome, resulting in G1 arrest. May act as a tumor suppressor.
Tissue specificity	Highly expressed in brain. Expressed at moderate levels in most tissues, except bone marrow.
Pathway	Protein modification; protein ubiquitination.
Sequence similarities	Belongs to the FBXO31 family. Contains 1 F-box domain.
Developmental stage	Expression is cell-cycle regulated, and peaks at late G2 to early G1 phase (at protein level).
Post-translational modifications	Phosphorylation at Ser-278 by ATM following gamma-irradiation results in its stabilization.

Images



All lanes : Anti-FBXO31 antibody [1H1] (ab119304) at 1/2000 dilution

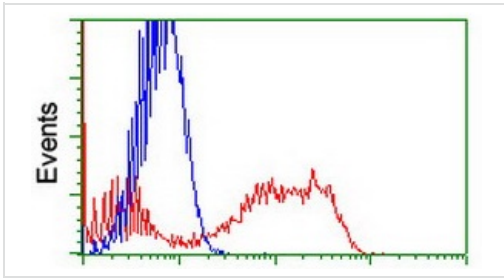
Lane 1 : HEK293T cell lysate transfected with pCMV6-ENTRY control cDNA

Lane 2 : HEK293T cell lysate transfected with pCMV6-ENTRY FBXO31 cDNA

Lysates/proteins at 5 µg per lane.

Predicted band size: 61 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC203311)



Flow Cytometry - Anti-FBXO31 antibody [1H1]
(ab119304)

ab119304 at 1/100 dilution staining HEK293T cells transfected with either pCMV6-ENTRY FBXO31 overexpress plasmid (Red) or empty vector control plasmid (Blue) by flow cytometry.

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