

Datasheet for ABIN2785571

anti-FBXO31 antibody (Middle Region)[Go to Product page](#)**1** Image**1** Publication

Overview

Quantity:	100 µL
Target:	FBXO31
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Cow, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FBXO31 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human FBXO31
Sequence:	VAAAEQPAQC GQGQPFVLPV GVSSRNEDYP RTCRMCFYGT GLIAGHGFTS
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 93%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against FBXO31. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	FBXO31
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Target Details

Alternative Name:	FBXO31 (FBXO31 Products)
Background:	<p>FBXO31 is the component of some SCF (SKP1-cullin-F-box) protein ligase complex that plays a central role in G1 arrest following DNA damage. FBXO31 specifically recognizes phosphorylated cyclin-D1 (CCND1), promoting its ubiquitination and degradation by the proteasome, resulting in G1 arrest. FBXO31 may act as a tumor suppressor. Members of the F-box protein family, such as FBXO31, are characterized by an approximately 40-amino acid F-box motif. SCF complexes, formed by SKP1 (MIM 601434), cullin (see CUL1, MIM 603134), and F-box proteins, act as protein-ubiquitin ligases. F-box proteins interact with SKP1 through the F-box, and they interact with ubiquitination targets through other protein interaction domains (Jin et al., 2004 [PubMed 15520277]).[supplied by OMIM].</p> <p>Alias Symbols: DKFZP434B027, DKFZp434J1815, FBX14, FBXO14, FLJ22477, Fbx31, MGC15419, MGC9527, pp2386</p> <p>Protein Interaction Partner: CDT1, UBE2L6, UBE2D1, CCND1, CUL1, MAP2K6, PARD6A, SKP1, COPS5, RBX1,</p> <p>Protein Size: 367</p>
Molecular Weight:	40 kDa
Gene ID:	79791
NCBI Accession:	NM_024735 , NP_079011
UniProt:	Q5XUX0

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 367 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Ueda, Nagae, Kozawa, Morishita, Kimura, Nagase, Ohara, Yoshida, Asano: "Heterotrimeric G protein betagamma subunits stimulate FLJ00018, a guanine nucleotide exchange factor for Rac1 and Cdc42." in: The Journal of biological chemistry , Vol. 283, Issue 4, pp. 1946-53, (2008) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-FBX031 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:1562500

Positive Control: Human Stomach