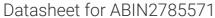
antibodies -online.com







anti-FBXO31 antibody (Middle Region)



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

Target Details

FBXO31

Target:

| 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

| Alternative Name: | FBXO31 (FBXO31 Products) |
|---------------------|---|
| Background: | 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]. |
| | Alias Symbols: DKFZP434B027, DKFZp434J1815, FBX14, FBX014, FLJ22477, Fbx31, |
| | MGC15419, MGC9527, pp2386 |
| | Protein Interaction Partner: CDT1, UBE2L6, UBE2D1, CCND1, CUL1, MAP2K6, PARD6A, SKP1, |
| | COPS5, RBX1, |
| | Protein Size: 367 |
| 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

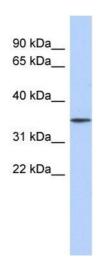
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
|--------------------|---|
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 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).

Images



Western Blotting

Image 1. WB Suggested Anti-FBXO31 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:1562500

Positive Control: Human Stomach