abcam

Product datasheet

Human FBXO31 protein fragment ab92209

1 Image

Overview

Product name	Human FBXO31 protein fragment
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

Species	Human
Sequence	DLIKPGLFKGTYGSHGLEIVMLSFHGRRARGTKITGDPNIPAGQQTVEI DLRHRIQLPDLENQRNFNELSRIVLEVRERVRQEQQEGGHEAGEGRGRQ GPRESQPSPAQPRAEAPSKGPDGTPGEDGGEPGDAVAAAEQPAQCGQG Q PFVLPVGVSSRNEDYPRTCRMCFYGTGLIAGHGFTSPERTPGVFILF DE DRFGFVWLELKSFSLYSRVQATFRNADAPSPQAFDEMLKNIQSLTS
Amino acids	298 to 539

Specifications

Our Abpromise guarantee covers the use of **ab92209** in the following tested applications.

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

Applications	SDS-PAGE Mass Spectrometry
Form	Lyophilised
Additional notes	Protein Identity confirmed by Mass Spectrometry (MS/MS) (acquired on initial reference batch

Preparation and Storage

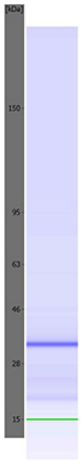
Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. Preservative: None

	Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Reconstitution	Reconstitute with 138 µl aqua dest.

General Info

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



SDS-PAGE - FBXO31 protein (Tagged-His Tag) (ab92209)

The image shows an electrophoretic assay performed using an Agilent 5100 ALP. In some images coloured control bands can be seen at 15 kDa (green) and/or 240 kDa (purple). The protein-specific band is blue.

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