abcam

Product datasheet

Recombinant Human Keap1 protein (Tagged) ab132384

1 References 1 Image

Description

Product name	Recombinant Human Keap1 protein (Tagged)
Expression system	Wheat germ
Accession	Q14145
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MQPDPRPSGAGACCRFLPLQSQCPEGAGDAVMYASTE CKAEVTPSQHGNR TFSYTLEDHTKQAFGIMNELRLSQQLCDVTLQVKYQDAPA AQFMAHKVVL ASSSPVFKAMFTNGLREQGMEVVSIEGIHPKVMERLIEFA YTASISMGEK CVLHVMNGAVMYQIDSVVRACSDFLVQQLDPSNAIGIANF AEQIGCVELH QRAREYIYMHFGEVAKQEEFFNLSHCQLVTLISRDDLNVR CESEVFHACI NWVKYDCEQRRFYVQALLRAVRCHSLTPNFLQMQLQKC EILQSDSRCKDY LVKIFEELTLHKPTQVMPCRAPKVGRLIYTAGGYFRQSLSY LEAYNPSDG TWLRLADLQVPRSGLAGCVVGGLLYAVGGRNNSPDGNT DSSALDCYNPMT NQWSPCAPMSVPRNRIGVGVIDGHIYAVGGSHGCIHHNSV ERYEPERDEW HLVAPMLTRRIGVGVAVLNRLLYAVGGFDGTNRLNSAECY YPERNEWRMI TAMNTIRSGAGVCVLHNCIYAAGGYDGQDQLNSVERYDVE TETWTFVAPM KHRRSALGITVHQGRIYVLGGYDGHTFLDSVECYDPDTDT WSEVTRMTSG RSGVGVAVTMEPCRKQIDQQNCTC
Predicted molecular weight	94 kDa including tags

Amino acids	1 to 624
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab132384** in the following tested applications.

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

Applications	Western blot SDS-PAGE ELISA
Form	Liquid
Additional notes	

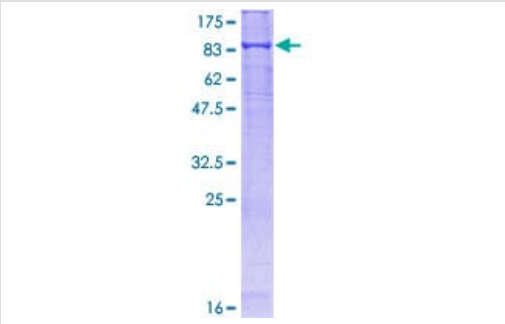
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Retains NFE2L2/NRF2 in the cytosol. Functions as substrate adapter protein for the E3 ubiquitin ligase complex formed by CUL3 and RBX1. Targets NFE2L2/NRF2 for ubiquitination and degradation by the proteasome, thus resulting in the suppression of its transcriptional activity and the repression of antioxidant response element-mediated detoxifying enzyme gene expression. May also retain BPTF in the cytosol. Targets PGAM5 for ubiquitination and degradation by the proteasome.
Tissue specificity	Broadly expressed, with highest levels in skeletal muscle.
Sequence similarities	Contains 1 BACK (BTB/Kelch associated) domain. Contains 1 BTB (POZ) domain. Contains 6 Kelch repeats.
Domain	The Kelch repeats mediate interaction with NF2L2/NRF2, BPTF and PGAM5.
Post-translational modifications	Ubiquitinated and subject to proteasomal degradation.
Cellular localization	Cytoplasm. Nucleus. Shuttles between cytoplasm and nucleus.

Images



SDS-PAGE - Recombinant Human Keap1 protein (ab132384)

12.5% SDS-PAGE analysis of ab132384 stained with Coomassie Blue.

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