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Datasheet for ABIN2787510

anti-UBE2K antibody (N-Term)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	UBE2K
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Zebrafish (Danio rerio), Cow, Horse, Rabbit, Goat, Guinea Pig, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human UBE2K
Sequence:	FTELRGEIAG PPDTPYEGGR YQLEIKIPET YPFNPPKVRF ITKIWHPNIS
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against UBE2K. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	UBE2K
Alternative Name:	UBE2K (UBE2K Products)

Target Details

Background: UBE2K belongs to the ubiquitin-conjugating enzyme family. This protein interacts with RING finger proteins, and it can ubiquitinate huntingtin, the gene product for Huntington's disease. Known functions for this protein include a role in aggregate formation of expanded polyglutamine proteins and the suppression of apoptosis in polyglutamine diseases, a role in the dislocation of newly synthesized MHC class I heavy chains from the endoplasmic reticulum, and involvement in foam cell formation. The protein encoded by this gene belongs to the ubiquitin-conjugating enzyme family. This protein interacts with RING finger proteins, and it can ubiquitinate huntingtin, the gene product for Huntington's disease. Known functions for this protein include a role in aggregate formation of expanded polyglutamine proteins and the suppression of apoptosis in polyglutamine diseases, a role in the dislocation of newly synthesized MHC class I heavy chains from the endoplasmic reticulum, and involvement in foam cell formation. Multiple transcript variants encoding different isoforms have been identified for this gene.

Alias Symbols: DKFZp564C1216, DKFZp686J24237, E2-25K, HIP2, HYPG, LIG, UBC1

Protein Interaction Partner: DDI1, DTX3, MIPOL1, TRIM39, ANAPC11, RNF138, SIAH1, RNF5, REL, FZR1, UBC, UBA1, MARCH7, AMFR, TP53, MDM2, BAG3, PRRG4, IQCB1, HTT, CDC6, WDR1, TYMS, TXN, TXNDC17, WDR61, ITCH, NEDD4L, WWP2, NXF1, NUB1, PIAS4, CASP12, SUMO1, SUMO2, DIABLO, UBE2I, CCNB1, BR

Protein Size: 200

Molecular Weight: 22 kDa

Gene ID: 3093

NCBI Accession: [NM_005339](#), [NP_005330](#)

UniProt: [P61086](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 200 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
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: Fromm-Dornieden, von der Heyde, Lytovchenko, Salinas-Riester, Brenig, Beissbarth, Baumgartner: "Novel polysome messages and changes in translational activity appear after induction of adipogenesis in 3T3-L1 cells." in: **BMC molecular biology**, Vol. 13, pp. 9, (2012) ([PubMed](#)).

Images



Western Blotting

Image 1. WB Suggested Anti-UBE2K Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:312500

Positive Control: HepG2 cell lysate