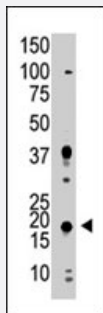


UBE2G2 polyclonal antibody

Catalog # PAB3900

Size 400 uL

Applications



Western Blot (Cell lysate)

The UBE2G2 polyclonal antibody (Cat # PAB3900) is used in Western blot to detect UBE2G2 in Jurkat cell lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of UBE2G2.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human UBE2G2.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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Gene Info — UBE2G2

Entrez GeneID [7327](#)

Protein Accession# [UBCJ_HUMAN](#)

Gene Name UBE2G2

Gene Alias UBC7

Gene Description ubiquitin-conjugating enzyme E2G 2 (UBC7 homolog, yeast)

Omim ID [603124](#)

Gene Ontology [Hyperlink](#)

Gene Summary The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. The encoded protein shares 100% sequence identity with the mouse counterpart. This gene is ubiquitously expressed, with high expression seen in adult muscle. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq]

Other Designations ubiquitin carrier protein G2|ubiquitin conjugating enzyme 7|ubiquitin conjugating enzyme G2|ubiquitin-conjugating enzyme E2G 2|ubiquitin-conjugating enzyme E2G 2 (homologous to yeast UBC7)|ubiquitin-protein ligase G2

Publication Reference

- [Inositol 1,4,5-trisphosphate receptor ubiquitination is mediated by mammalian Ubc7, a component of the endoplasmic reticulum-associated degradation pathway, and is inhibited by chelation of intracellular Zn²⁺.](#)

Webster JM, Tiwari S, Weissman AM, Wojcikiewicz RJ.

The Journal of Biological Chemistry 2003 Oct; 278(40):38238.

- [Identification, expression, and chromosomal localization of ubiquitin conjugating enzyme 7 \(UBE2G2\), a human homologue of the *Saccharomyces cerevisiae* ubc7 gene.](#)

Katsanis N, Fisher EM.

Genomics 1998 Jul; 51(1):128.

- [Assignment1 of the ubiquitin conjugating enzyme gene, UBE2G2, to human chromosome band 21q22.3 by in situ hybridization.](#)

Rose SA, Leek JP, Moynihan TP, Ardley HC, Markham AF, Robinson PA.

Cytogenetics and Cell Genetics 1998 Jan; 83(1-2):98.

Pathway

- [Ubiquitin mediated proteolysis](#)