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UBE2G2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2123a

Product Information

Application	WB, E
Primary Accession	P60604
Other Accession	P60605, Q17QG5, NP_003334
Reactivity	Human
Predicted	Mouse, Bovine, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB4173
Calculated MW	18566
Antigen Region	17-47

Additional Information

Gene ID	7327
Other Names	Ubiquitin-conjugating enzyme E2 G2, Ubiquitin carrier protein G2, Ubiquitin-protein ligase G2, UBE2G2
Target/Specificity	This UBE2G2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 17-47 amino acids from the N-terminal region of human UBE2G2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	UBE2G2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	UBE2G2 (HGNC:12483)
Function	Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins (PubMed:20061386). In vitro catalyzes

'Lys-48'-linked polyubiquitination (PubMed:20061386). Involved in endoplasmic reticulum-associated degradation (ERAD) (PubMed:22607976). Required for sterol-induced ubiquitination of 3- hydroxy-3-methylglutaryl coenzyme A reductase and its subsequent proteasomal degradation (PubMed:23223569).

Cellular Location Endoplasmic reticulum. Lipid droplet

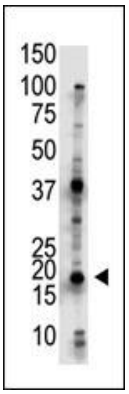
Background

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. UBE2G2 is 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.

References

Webster, J.M., et al., J. Biol. Chem. 278(40):38238-38246 (2003).
Katsanis, N., et al., Genomics 51(1):128-131 (1998).
Rose, S.A., et al., Cytogenet. Cell Genet. 83 (1-2), 98-99 (1998).

Images



The anti-UBE2G2 Pab (Cat. #AP2123a) is used in Western blot to detect UBE2G2 in Jurkat cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.