

UBE2G2 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2123a**Specification**

UBE2G2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	P60604
Other Accession	P60605 , Q17QG5 , NP_003334
Reactivity	Human
Predicted	Bovine, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	17-47

UBE2G2 Antibody (N-term) - 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.

UBE2G2 Antibody (N-term) - 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

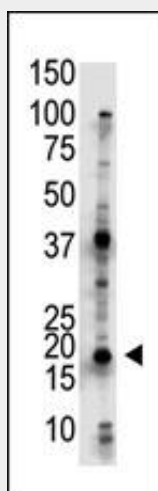
Endoplasmic reticulum. Lipid droplet

UBE2G2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

UBE2G2 Antibody (N-term) - Images



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

UBE2G2 Antibody (N-term) - 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.

UBE2G2 Antibody (N-term) - 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).