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# UBE2G1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17162b

## Product Information

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| **Application** | WB, E |
| **Primary Accession** | P62253 |
| **Other Accession** | P62255, P62254, Q4R5Y8, NP_003333.1 |
| **Reactivity** | Human |
| **Predicted** | Monkey, Mouse, Rat, Bovine, Canine, Rabbit, Chicken |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB36399 |
| **Calculated MW** | 19509 |
| **Antigen Region** | 127-155 |

## Additional Information

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| **Gene ID** | 7326 |
| **Other Names** | Ubiquitin-conjugating enzyme E2 G1, E217K, UBC7, Ubiquitin carrier protein G1, Ubiquitin-protein ligase G1, Ubiquitin-conjugating enzyme E2 G1, N-terminally processed, UBE2G1, UBE2G |
| **Target/Specificity** | This UBE2G1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 127-155 amino acids from the C-terminal region of human UBE2G1. |
| **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 purified through a protein A column, followed by peptide affinity purification. |
| **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** | UBE2G1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | UBE2G1 |
| **Synonyms** | UBE2G |

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| **Function** | Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-48'-, as well as 'Lys-63'-linked polyubiquitination. May be involved in degradation of muscle-specific proteins. Mediates polyubiquitination of CYP3A4. |
| **Tissue Location** | Widely expressed, mainly in skeletal muscle. |

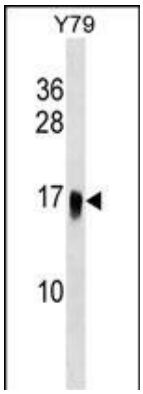
## Background

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. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family and catalyzes the covalent attachment of ubiquitin to other proteins. The protein may be involved in degradation of muscle-specific proteins. [provided by RefSeq].

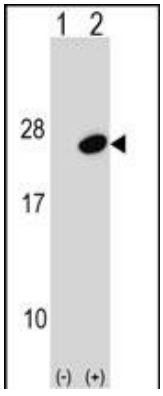
## References


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Gevaert, K., et al. Nat. Biotechnol. 21(5):566-569(2003)
Imai, Y., et al. Cell 105(7):891-902(2001)
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## Images




UBE2G1 Antibody (C-term) (Cat. #AP17162b) western blot analysis in Y79 cell line lysates (35ug/lane).This demonstrates the UBE2G1 antibody detected the UBE2G1 protein (arrow).




Western blot analysis of UBE2G1 (arrow) using rabbit polyclonal UBE2G1 Antibody (C-term) (Cat. #AP17162b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the UBE2G1 gene.


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