

Datasheet for ABIN1416568

**anti-UBE2G1 antibody (AA 101-170) (HRP)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                                  |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                           |
| Target:              | UBE2G1 (Ube2g1)                                                                                                                                  |
| Binding Specificity: | AA 101-170                                                                                                                                       |
| Reactivity:          | Rat                                                                                                                                              |
| Host:                | Rabbit                                                                                                                                           |
| Clonality:           | Polyclonal                                                                                                                                       |
| Conjugate:           | This UBE2G1 antibody is conjugated to HRP                                                                                                        |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)),<br>Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## Product Details

|                       |                                                                 |
|-----------------------|-----------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Ube2G1/UBC7 |
| Isotype:              | IgG                                                             |
| Cross-Reactivity:     | Rat                                                             |
| Predicted Reactivity: | Mouse,Dog,Sheep,Pig,Horse,Rabbit                                |
| Purification:         | Purified by Protein A.                                          |

## Target Details

|                   |                                            |
|-------------------|--------------------------------------------|
| Target:           | UBE2G1 (Ube2g1)                            |
| Alternative Name: | Ube2G1 ( <a href="#">Ube2g1 Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Background: | <p>Synonyms: E217K, UB2G1_HUMAN, UBC 7, UBC7, UBC7 homolog yeast, UBE 2G, UBE2G, Ube2g1, Ubiquitin carrier protein G1, Ubiquitin conjugating enzyme E2 G1, Ubiquitin conjugating enzyme E2G 1 homologous to C. elegans UBC7, Ubiquitin conjugating enzyme E2G 1 UBC7 homolog C. elegans, Ubiquitin conjugating enzyme E2G 1 UBC7 homolog yeast, Ubiquitin conjugating enzyme E2G 1, Ubiquitin protein ligase G1, Ubiquitin-conjugating enzyme E2 G1, Ubiquitin-protein ligase G1.</p> <p>Background: Ubiquitin is an abundant, highly conserved protein found in all eukaryotic cells either free or covalently attached to cellular proteins. The primary function of ubiquitin in mammalian systems is to clear abnormal, foreign, and improperly folded proteins by targeting them for proteasome degradation. In <i>Saccharomyces cerevisiae</i>, ubiquitin-like proteins include Rub1, Ula1, Uba3, Smt3, Ubc2, Ubc12 and Ubc9. Rub1 shares 53 % homology with ubiquitin and requires activation via the E2 proteins, including Ula1, Uba3 and Ubc12 in order to conjugate to substrates directed to different proteolytic systems. Ubc4 catalyzes ubiquitination of IκBα in a phosphorylation and SCFB-TRCP dependent manner. In this particular reaction, E1 first transfers ubiquitin to the E2 component Ubc4, and Ubc4 then associates with E3 ligase, which conjugates the poly-ubiquitin chain on a target protein. In this fashion, the chain tags the IκBα for degradation by a proteasome thus lifting the inhibitory effect of IκBα on NFκB and allowing NFκB to enter the nucleus.</p> |
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| Gene ID: | 7326 |
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## Application Details

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| Application Notes: | WB 1:300-5000<br>IHC-P 1:200-400<br>IHC-F 1:100-500 |
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|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|                    |                                                                                                             |
|--------------------|-------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                      |
| Concentration:     | 1 µg/µL                                                                                                     |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative:      | ProClin                                                                                                     |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be                         |

Handling

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|                  |                                                                                                      |
|------------------|------------------------------------------------------------------------------------------------------|
|                  | handled by trained staff only.                                                                       |
| Handling Advice: | Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase. |
| Storage:         | -20 °C                                                                                               |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                    |
| Expiry Date:     | 12 months                                                                                            |