

[Go to Product page](#)

Datasheet for ABIN1398748

**anti-UBE20 antibody (AA 1201-1292) (Alexa Fluor 488)**

## Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | UBE20   |
| Binding Specificity: | AA 1201-1292  |
| Reactivity:          | Human   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This UBE20 antibody is conjugated to Alexa Fluor 488  |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | KLH conjugated synthetic peptide derived from human UBE20/E2 230K |
| Isotype:              | IgG   |
| Predicted Reactivity: | Mouse,Rat,Pig,Horse,Chicken                                       |
| Purification:         | Purified by Protein A.  |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | UBE20   |
| Alternative Name: | UBE20 ( <a href="#">UBE20 Products</a> )  |
| Background:       | Synonyms: E2 230K, ubiquitin-conjugating enzyme E20, EC=6.3.2.19, FLJ12878, KIAA1734, |

## Target Details

Likely Ortholog of Mouse Ubiquitin Conjugating Enzyme, RP23 193A16.5, UBE2O, UBE2O\_HUMAN, Ubiquitin carrier protein O, Ubiquitin conjugating enzyme E2 O, ubiquitin conjugating enzyme E2O.

Background: UBE2O, also known as E2-230K, is a 1,292 amino acid member of the ubiquitin-conjugating enzyme family that is involved in protein modification. Expressed predominately in heart and skeletal muscle, UBE2O functions to catalyze the ATP-dependent covalent attachment of ubiquitin to select proteins, thereby targeting the ubiquitinated proteins for proteasomal degradation. The gene encoding UBE2O maps to human chromosome 17, which comprises over 2.5 % of the human genome and encodes over 1,200 genes. Two key tumor suppressor genes are associated with chromosome 17, namely, p53 and BRCA1. Tumor suppressor p53 is necessary for maintenance of cellular genetic integrity by moderating cell fate through DNA repair versus cell death. Malfunction or loss of p53 expression is associated with malignant cell growth and Li-Fraumeni syndrome. Like p53, BRCA1 is directly involved in DNA repair, though specifically it is recognized as a genetic determinant of early onset breast cancer and predisposition to cancers of the ovary, colon, prostate gland and fallopian tubes.

Gene ID: 63893

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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 handled by trained staff only.

Storage: -20 °C

Handling

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|                  |   |
|------------------|---|
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date:     | 12 months   |