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# Rabbit Anti-UBE2O antibody

SL8380R

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| **Product Name:** | UBE2O |
| **Chinese Name:** | Ubiquitin结合酶E2 230K抗体 |
| **Alias:** | E2 230K; ubiquitin-conjugating enzyme E2O; EC=6.3.2.19; FLJ12878; KIAA1734; 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. |
| **Organism Species:** | Rabbit |
| **Clonality:** | Polyclonal |
| **React Species:** | Mouse,Rat,Chicken,Pig,Horse, |
| **Applications:** | ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200（Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Molecular weight:** | 141kDa |
| **Cellular localization:** | The nucleus |
| **Form:** | Lyophilized or Liquid |
| **Concentration:** | 1mg/ml |
| **immunogen:** | KLH conjugated synthetic peptide derived from human UBE2O/E2 230K:1201-1292/1292 |
| **Lsotype:** | IgG |
| **Purification:** | affinity purified by Protein A |
| **Storage Buffer:** | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| **Storage:** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| **PubMed:** | PubMed |
| **Product Detail:** | UBE20, also known as E2-230K, is a 1,292 amino acid member of the uniquitin-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.

**Function:**
Catalyzes the covalent attachment of ubiquitin to other proteins (By similarity).

**Tissue Specificity:**
Predominantly expressed in skeletal muscle and heart.

**Similarity:**
Belongs to the ubiquitin-conjugating enzyme family.

**SWISS:**
Q9C0C9

**Gene ID:**
63893

**Database links:**

Entrez Gene: 63893Human

Entrez Gene: 217342Mouse

SwissProt: Q9C0C9Human

SwissProt: Q6ZPJ3Mouse

Unigene: 16130Human

Unigene: 243950Mouse

**Important Note:**
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.