# Anti-CUEDC2 Antibody

## Catalog # ABO11269

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### Anti-CUEDC2 Antibody - Additional Information

| **Gene ID** | 79004 |
| **Other Names** | CUE domain-containing protein 2, CUEDC2, C10orf66 |
| **Calculated MW** | 32009 MW KDa |

### Application Details

Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat<br>Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat<br>

### Subcellular Localization

Cytoplasm, Nucleus

### Tissue Specificity

Significantly up-regulated in breast tumor tissues compared with matched adjacent normal tissues (at protein level). Levels inversely correlate with ESR1 in breast cancers and are lower in low-grade tumors compared to high-grade tumors.

### Protein Name

CUE domain-containing protein 2

### Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

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**Anti-CUEDC2 antibody, ABO11269, Western blotting**

Recombinant Protein Detection Source: E.coli derived - recombinant human CuEDC2, 28.9KD (162aa tag + N197-H287)

Lane 1: Recombinant Human CuEDC2 Protein 10ng
Lane 2: Recombinant Human CuEDC2 Protein 5ng
Lane 3: Recombinant Human CuEDC2 Protein 2.5ng
Lane 4: Recombinant Human CuEDC2 Protein 1.25ng

**Anti-CUEDC2 antibody, ABO11269, IHC(P)**

IHC(P): Human Thyroid Cancer Tissue

**Anti-CUEDC2 Antibody - Background**

CUEDC2 (Cue Domain-Containing Protein 2) is involved in ubiquitin-and proteasome-mediated
**Immunogen**
A synthetic peptide corresponding to a sequence at the C-terminus of human CUEDC2(267-287aa): EAEEMKATYINLKPARKYRFH, identical to the related mouse sequence, and different from the related rat sequence by one amino acid.

**Purification**
Immunogen affinity purified.

**Cross Reactivity**
No cross reactivity with other proteins

**Storage**
At -20˚C for one year. After constitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for a longer time. Avoid repeated freezing and thawing.

**Sequence Similarities**
Belongs to the CUEDC2 family.

**Anti-CUEDC2 Antibody - Protein Information**

**Name** CUEDC2

**Synonyms** C10orf66

**Function**
Down-regulates ESR1 protein levels through the ubiquitination-proteasome pathway, regardless of the presence of 17beta-estradiol. Also involved in 17beta-estradiol-induced ESR1 degradation. Controls PGR protein levels through a similar mechanism.

**Cellular Location**
Cytoplasm. Nucleus

**Tissue Location**
Significantly up-regulated in breast tumor tissues compared with matched adjacent normal tissues (at protein level). Levels inversely correlate with ESR1 in breast cancers and are lower in low-grade tumors compared to high-grade tumors.

**Anti-CUEDC2 Antibody - 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