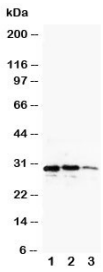
CUEDC2 Antibody (R31066)

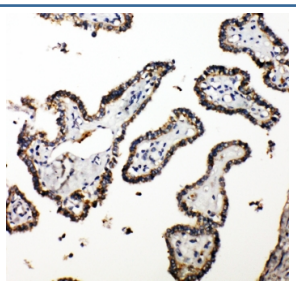
Catalog No.	Formulation	Size
R31066	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q9H467
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This CUEDC2 antibody is available for research use only.



Western blot testing of CUEDC2 antibody and recombinant protein, 29KD with tag; Lane 1: 10ng; 2: 5ng; 3: 2.5ng; 4: 1.25ng



IHC-P: CUEDC2 antibody testing of human thyroid cancer tissue

Description

Cue Domain-Containing Protein 2 is involved in ubiquitin-and proteasome-mediated degradation of progesterone receptor (PR, or PGR) and estrogen receptor(ER)-alpha. Hartz(2011) mapped the CUEDC2 gene to chromosome 10q24.32 based on an alignment of the sequence with the genomic sequence (GRCh37). Using coimmunoprecipitation analysis and protein pull-down assays, Zhang et al.(2007) confirmed that CUEDC2 interacted with the PRB isoform of PR. Mutation analysis revealed that the IF domain of PRB and the CUE domain of CUEDC2 were required for the interaction. CUEDC2 reduced PRB protein content and promoted progesterone-induced PRB degradation via the ubiquitin-proteasome pathway.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CUEDC2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human Cue Domain-Containing Protein 2 (EAEEMKATYINLKPARKYRFH) was used as the immunogen for this CUEDC2 antibody (100% mouse homology).

Storage

After reconstitution, the CUEDC2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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