

For Research Use Only

# CUEDC2 Recombinant monoclonal antibody

Catalog Number:86610-2-RR



## Basic Information

Catalog Number:

86610-2-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13847

GenBank Accession Number:

BC000262

GeneID (NCBI):

79004

UNIPROT ID:

Q9H467

Full Name:

CUE domain containing 2

Calculated MW:

287 aa, 32 kDa

Observed MW:

32 kDa

Purification Method:

Protein A purification

CloneNo.:

251583E6

Recommended Dilutions:

WB: 1:1000-1:4000

IHC: 1:50-1:500

## Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : HeLa cells, HepG2 cells, Jurkat cells, HCT 116 cells, ACHN cells

IHC : human ovary cancer tissue,

## Background Information

CUE domain-containing 2 (CUEDC2) is a ubiquitin-binding motif-containing protein involved in the regulation of the cell cycle, inflammation, and tumorigenesis. It is ubiquitously expressed in human tissues and organs, not only highly expressed in the normal brain, heart and testis, but also some kinds of cancers, such as breast, ovarian and kidney cancers. CUEDC2 could act as an adaptor protein to target I $\kappa$ B kinase (IKK) for dephosphorylation and inactivation by recruiting protein phosphatase (PP1), and thus repressed activation of the transcription factor NF- $\kappa$ B. Moreover, CUEDC2, is a key factor in endocrine resistance in breast cancer.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

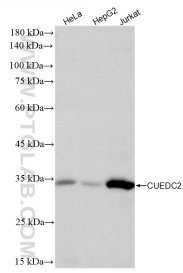
T: 4006900926

E: Proteintech-CN@ptglab.com

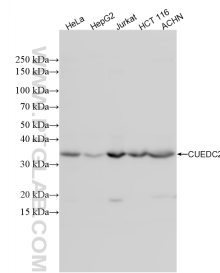
W: ptgcn.com

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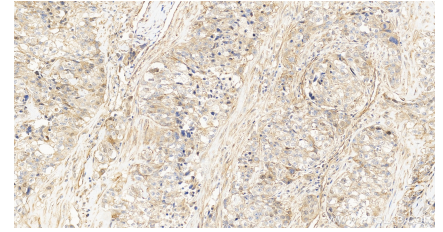
## Selected Validation Data



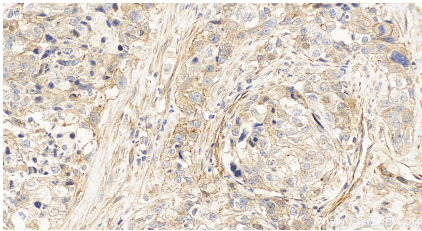
Various lysates were subjected to SDS PAGE followed by western blot with 86610-2-RR (CUEDC2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



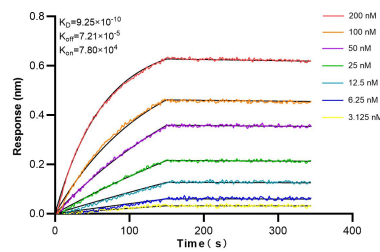
Various lysates were subjected to SDS PAGE followed by western blot with 86610-2-RR (CUEDC2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 86610-2-RR (CUEDC2 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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Biolayer interferometry (BLI) kinetic assays of 86610-2-RR against Human CUEDC2 were performed. The affinity constant is 0.925 nM.