

CRBN Polyclonal antibody

Catalog Number: 28494-1-AP

Featured Product

2 Publications

Basic Information

Catalog Number:

28494-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29353

GenBank Accession Number:

BC017419

GeneID (NCBI):

51185

UNIPROT ID:

Q96SW2

Full Name:

cereblon

Calculated MW:

442 aa, 51 kDa

Observed MW:

51 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IF, IHC, IP, WB

Species Specificity:

Human, Mouse, rat

Cited Species:

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: COLO 320 cells, mouse liver tissue, 3T3-L1 cells, THP-1 cells, U-251 cells, C6 cells

IHC: mouse brain tissue, human liver cancer tissue

Background Information

CRBN plays an important role in assembly and surface expression of functional BK(Ca) channels. The mutation of human cereblon gene (CRBN) is related with mild mental retardation, and causes ARNSID (nonsyndromal intellectual disability) by disturbing the developmental regulation of BK(Ca) in brain regions that are critical for memory and learning. CRBN is also identified as important thalidomide-binding protein for limb outgrowth in zebrafish and chicks. It can be detected a band above 51 kDa (maybe 55 kDa) in HT22 cells (PMID: 21232561).

Notable Publications

Author	Pubmed ID	Journal	Application
Ji-Nuo Wang	35361865	Leukemia	IHC
Liang Zhou	29272390	Hum Mol Genet	WB, IF, IP

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

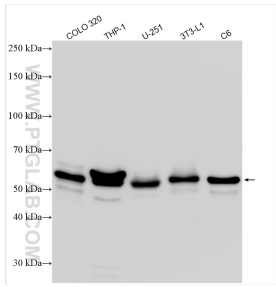
For technical support and original validation data for this product please contact:

T: 4006900926

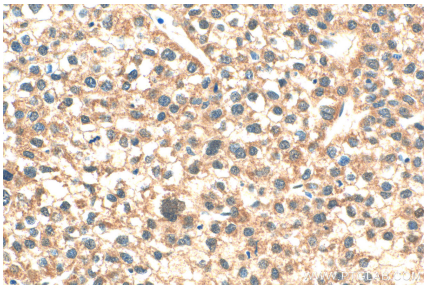
E: Proteintech-CN@ptglab.comW: ptgcn.com

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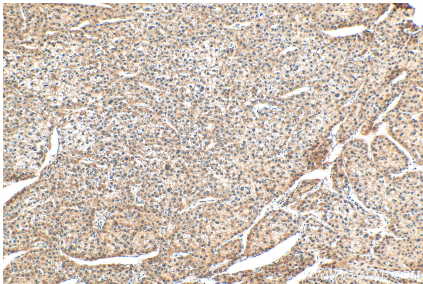
Selected Validation Data



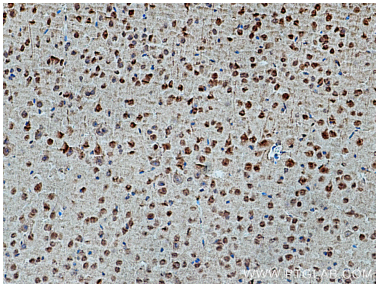
Various lysates were subjected to SDS PAGE followed by western blot with 28494-1-AP (CRBN antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



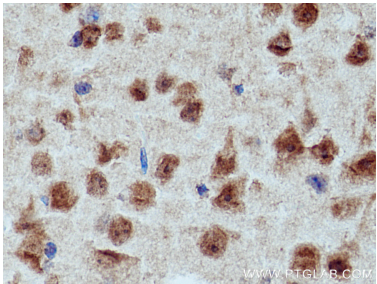
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 28494-1-AP (CRBN antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 28494-1-AP (CRBN antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 28494-1-AP (CRBN antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 28494-1-AP (CRBN antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).