

CRBN antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14025**Specification**

CRBN antibody - N-terminal region - Product Information

| | |
|-------------------|---|
| Application | WB |
| Primary Accession | O96SW2 |
| Other Accession | NM_016302 , NP_057386 |
| Reactivity | Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig |
| Predicted | Human, Mouse, Rat, Rabbit, Pig, Chicken, Horse, Bovine, Dog |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 50kDa KDa |

CRBN antibody - N-terminal region - Additional Information**Gene ID** 51185**Alias Symbol** [DKFZp781K0715](#), [MGC27358](#), [MRT2A](#), [MRT2](#)
Other Names
Protein cereblon, CRBN**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-CRBN antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

CRBN antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

CRBN antibody - N-terminal region - Protein Information**Name** CRBN**Function**Substrate recognition component of a DCX (DDB1-CUL4-X-box) E3 protein ligase complex that mediates the ubiquitination and subsequent proteasomal degradation of target proteins, such as MEIS2, ILF2 or GLUL (PubMed: [26990986](http://www.uniprot.org/citations/26990986), PubMed: [33009960](http://www.uniprot.org/citations/33009960)). Normal degradation of key regulatory proteins is required for normal limb outgrowth and expression of the fibroblast growth factor FGF8 (PubMed: [20223979](http://www.uniprot.org/citations/20223979), PubMed: [20223979](#)).

<http://www.uniprot.org/citations/24328678> target="_blank">24328678, PubMed:25043012, PubMed:25108355). Maintains presynaptic glutamate release and consequently cognitive functions, such as memory and learning, by negatively regulating large-conductance calcium-activated potassium (BK) channels in excitatory neurons (PubMed:18414909, PubMed:29530986). Likely to function by regulating the assembly and neuronal surface expression of BK channels via its interaction with KCNT1 (PubMed:18414909). May also be involved in regulating anxiety-like behaviors via a BK channel-independent mechanism (By similarity). Plays a negative role in TLR4 signaling by interacting with TRAF6 and ECSIT, leading to inhibition of ECSIT ubiquitination, an important step of the signaling (PubMed:31620128).

Cellular Location

Cytoplasm. Nucleus. Membrane; Peripheral membrane protein

Tissue Location

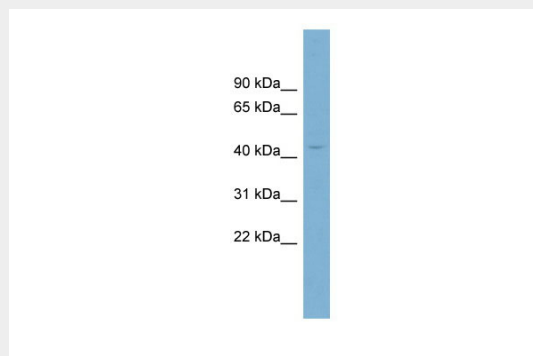
Widely expressed. Highly expressed in brain.

CRBN antibody - N-terminal region - Protocols

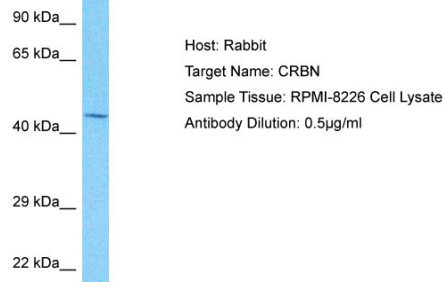
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CRBN antibody - N-terminal region - Images



WB Suggested Anti-CRBN Antibody Titration: 0.2-1 µg/ml
Positive Control: COLO205 cell lysate



Host: Rabbit
Target Name: CRBN
Sample Tissue: RPMI-8226 Whole Cell lysates
Antibody Dilution: 0.5µg/ml

CRBN antibody - N-terminal region - References

- Ota T., et al. Nat. Genet. 36:40-45(2004).
Muzny D.M., et al. Nature 440:1194-1198(2006).
Hu R.-M., et al. Proc. Natl. Acad. Sci. U.S.A. 97:9543-9548(2000).
Bechtel S., et al. BMC Genomics 8:399-399(2007).
Higgins J.J., et al. Neurology 63:1927-1931(2004).