

For Research Use Only

CRBN Recombinant monoclonal antibody

Catalog Number: 87559-1-RR



Basic Information

Catalog Number:	87559-1-RR	GenBank Accession Number:	BC017419	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI):	51185	CloneNo.:	252898D6
Source:	Rabbit	UNIPROT ID:	Q96SW2	Recommended Dilutions:	WB: 1:5000-1:50000
Isotype:	IgG	Full Name:	cereblon		
Immunogen Catalog Number:	AG29353	Calculated MW:	442 aa, 51 kDa		
		Observed MW:	51-55 kDa		

Applications

Tested Applications:	WB, ELISA	Positive Controls:	WB : A431 cells, U-251 cells, COLO 320 cells, LNCaP cells, THP-1 cells, C6 cells, 3T3-L1 cells
Species Specificity:	human, mouse, rat		

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).

Storage

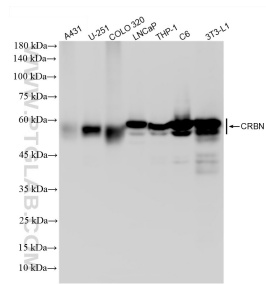
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87559-1-RR (CRBN antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.