

CRMP1 Monoclonal antibody

Catalog Number: 68021-1-Ig

Basic Information

Catalog Number: 68021-1-Ig	GenBank Accession Number: BC000252	Purification Method: Protein A purification
Size: 500 µg/ml	GeneID (NCBI): 1400	CloneNo.: 2F4G5
Source: Mouse	UNIPROT ID: Q14194	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:5000-1:20000
Isotype: IgG2a	Full Name: collapsin response mediator protein 1	
Immunogen Catalog Number: AG30090	Calculated MW: 62 kDa	
	Observed MW: 62 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Mouse, Rat, Rabbit, Pig, Chicken, 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 : mouse cerebellum tissue, pig brain tissue, rabbit brain tissue, rat brain tissue, mouse brain tissue, chicken brain tissue, pig cerebellum tissue, rabbit cerebellum tissue, rat cerebellum tissue

IHC : mouse brain tissue, human lung cancer tissue

Background Information

CRMP1 (Collapsin response mediator protein 1) is also named as DPYSL1, ULIP3, DRP-1 and belongs to the collapsin response mediator protein family, which are a family of five cytoplasmic proteins predominantly expressed in the developing nervous system. CRMP1, the predicted 62 kDa protein and its 74 kDa isoform corresponding to its N-terminal splice variant already described for embryonic, neonatal, and adult brain of the rat are evidenced in the cortex of adult mouse (PMID:15834957). This protein is involved in invasion, and aggressiveness of prolactin pituitary tumors.

Storage

Storage:

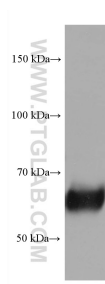
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

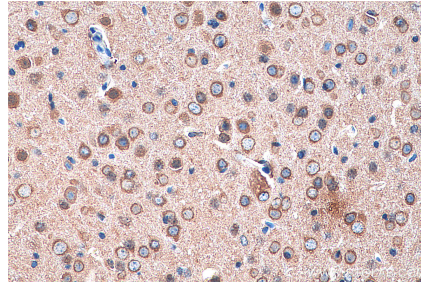
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



mouse cerebellum tissue were subjected to SDS PAGE followed by western blot with 68021-1-Ig (CRMP1 antibody) at dilution of 1:25000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 68021-1-Ig (CRMP1 antibody) at dilution of 1:10000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).