CRMP-2 (Phospho-Thr509) Antibody

Catalog No: #11795

Package Size: #11795-1 50ul #11795-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

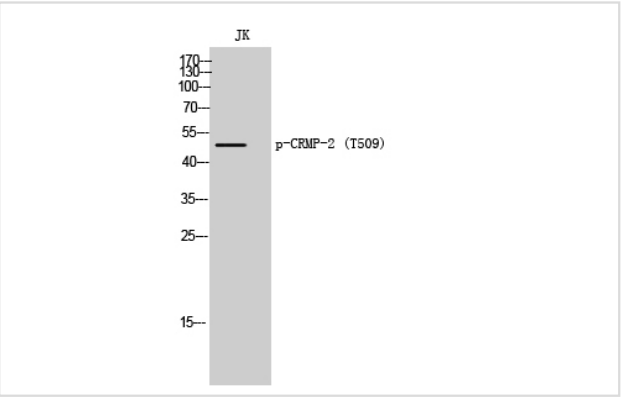
Product Name	CRMP-2 (Phospho-Thr509) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of CRMP-2 only when phosphorylated at threonine 509.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 509 (S-V-T(p)-P-K) derived from Human CRMP-2.
Target Name	CRMP-2
Modification	Phospho
Other Names	CRMP2; N2A3; TOAD-64; DPYL2; ULIP2
Accession No.	Swiss-Prot#: Q16555; NCBI Gene#: 1808; NCBI Protein#: NP_001377.1.
Uniprot	Q16555
GeneID	1808;
SDS-PAGE MW	50kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

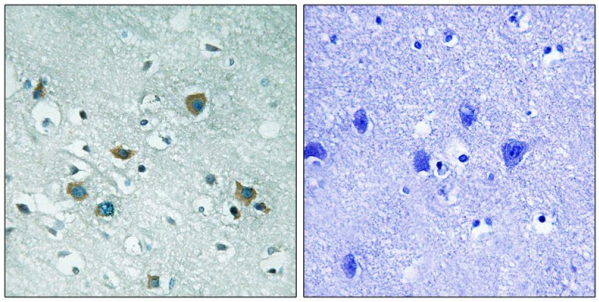
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from JK cells treated with heat shock using CRMP-2 (Phospho-Thr509) Antibody #11795.



Immunohistochemical analysis of paraffin-embedded human brain tissue using CRMP-2 (Phospho-Thr509) antibody #11795 (left)or the same antibody preincubated with blocking peptide (right).

Background

CRMP-2 is an enzyme with dihydropyrimidinase activity. Plays a role in RhoA-dependent signaling, through interaction with and regulation of Rho kinase. Plays a role in neurogenesis. Aberrantly expressed in fetal Down syndrome brain.

Miki Y., Science 266:66-71(1994).

Smith T.M., Genome Res. 6:1029-1049(1996).

Wilson C.A., Oncogene 14:1-16(1997).

Note: This product is for in vitro research use only