

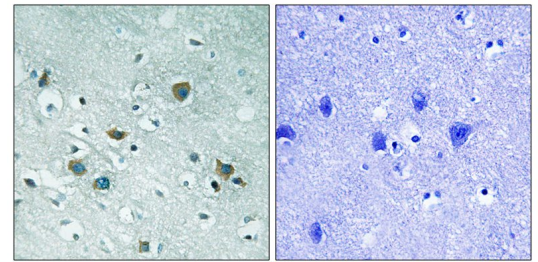
AP55813PU-N

Polyclonal Antibody to DPYSL2 / CRMP2 pThr509 - Aff - Purified

Alternate names:	Collapsin response mediator protein 2, DRP-2, Dihydropyrimidinase-related protein 2, N2A3
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
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.
Uniprot ID:	Q16555
NCBI:	NP_001184222.1
GeneID:	1808
Host:	Rabbit
Immunogen:	Peptide sequence around phosphorylation site of threonine 509 (S-V-T(p)-P-K) derived from Human CRMP-2 (KLH-conjugated)
Format:	State: Liquid Ig fraction Purification: Affinity chromatography using epitope-specific peptide Buffer System: Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Applications:	Western blot: 1:500~1:1000. Immunohistochemistry on paraffin sections: 1:50~1:100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	50 kDa
Specificity:	The antibody detects endogenous levels of CRMP-2 only when phosphorylated at threonine 509.
Species Reactivity:	Tested: Human, Mouse, Rat
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Miki Y, Swensen J, Shattuck-Eidens D, Futreal PA, Harshman K, Tavtigian S, et al. A strong candidate for the breast and ovarian cancer susceptibility gene BRCA1. <i>Science</i> . 1994 Oct 7;266(5182):66-71. PubMed PMID: 7545954. 2. Smith TM, Lee MK, Szabo CI, Jerome N, McEuen M, Taylor M, et al. Complete genomic sequence and analysis of 117 kb of human DNA containing the gene BRCA1. <i>Genome Res</i> . 1996 Nov;6(11):1029-49. PubMed PMID: 8938427. 3. Wilson CA, Payton MN, Elliott GS, Buaas FW, Cajulis EE, Grosshans D, et al. Differential subcellular localization, expression and biological toxicity of BRCA1 and the splice variant BRCA1-delta11b. <i>Oncogene</i> . 1997 Jan 9;14(1):1-16. PubMed PMID: 9010228.

Pictures:

Immunohistochemical analysis of paraffin-embedded human brain tissue using CRMP-2 (Phospho-Thr509) antibody AP55813PU-N (left) or the same antibody preincubated with blocking peptide (right).



Western blot analysis of extracts from HT-29 cells treated with heat shock using CRMP-2 (Phospho-Thr509) Antibody AP55813PU-N. The lane on the right is treated with the antigen-specific peptide.

