

AP55854PU-S**Polyclonal Antibody to DPYSL2 / CRMP2 pSer522 - Aff - Purified**

Alternate names:	Collapsin response mediator protein 2, DRP-2, Dihydropyrimidinase-related protein 2, N2A3
Quantity:	50 µg
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 Serine 522(K-T-S(p)-P-A) 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. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	62 kDa
Specificity:	The antibody detects endogenous levels of DPYSL2 only when phosphorylated at serine 522.
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. Goshima Y, Nakamura F, Strittmatter P, Strittmatter SM. Collapsin-induced growth cone collapse mediated by an intracellular protein related to UNC-33. Nature. 1995 Aug 10;376(6540):509-14. PubMed PMID: 7637782. 2. Hamajima N, Matsuda K, Sakata S, Tamaki N, Sasaki M, Nonaka M. A novel gene family defined by human dihydropyrimidinase and three related proteins with differential tissue distribution. Gene. 1996 Nov 21;180(1-2):157-63. PubMed PMID: 8973361. 3. Kitamura K, Takayama M, Hamajima N, Nakanishi M, Sasaki M, Endo Y, et al. Characterization of the human dihydropyrimidinase-related protein 2 (DRP-2) gene. DNA Res. 1999 Oct 29;6(5):291-7. PubMed PMID: 10574455.

Pictures:

Western blot analysis of extracts from HuvEc cells (Lane 2), using CRMP-2 (Phospho-Ser522) Antibody AP55854PU-N. The lane on the left is treated with antigen-specific peptide.

