

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

<b>Alternate names:</b>	Collapsin response mediator protein 2, DRP-2, Dihydropyrimidinase-related protein 2, N2A3
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	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.
<b>Uniprot ID:</b>	<a href="#">Q16555</a>
<b>NCBI:</b>	<a href="#">NP_001184222.1</a>
<b>GeneID:</b>	<a href="#">1808</a>
<b>Host:</b>	Rabbit
<b>Immunogen:</b>	Peptide sequence around phosphorylation site of Serine 522(K-T-S(p)-P-A) derived from Human CRMP-2 (KLH-conjugated)
<b>Format:</b>	<b>State:</b> Liquid Ig fraction <b>Purification:</b> Affinity chromatography using epitope-specific peptide <b>Buffer System:</b> Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
<b>Applications:</b>	Western blot: 1:500~1:1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Molecular Weight:</b>	62 kDa
<b>Specificity:</b>	The antibody detects endogenous levels of DPYSL2 only when phosphorylated at serine 522.
<b>Species Reactivity:</b>	<b>Tested:</b> Human, Mouse, Rat
<b>Storage:</b>	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Goshima Y, Nakamura F, Strittmatter P, Strittmatter SM. Collapsin-induced growth cone collapse mediated by an intracellular protein related to UNC-33. <i>Nature</i> . 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. <i>Gene</i> . 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. <i>DNA Res</i> . 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.

