Applications

WB,ELISA



CRMP-2 (Phospho Ser522) Rabbit pAb

CatalogNo: YP0513

Key Features

Host Species Reactivity

Rabbit
 Human, Mouse, Rat

MW Isotype • 62kD (Observed) • IgG

Recommended Dilution Ratios

WB 1:500-1:2000 ELISA 1:10000

Not yet tested in other applications.

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized phospho-peptide around the phosphorylation site of human CRMP-2

(phospho Ser522)

Specificity Phospho-CRMP-2 (S522) Polyclonal Antibody detects endogenous levels of CRMP-2

protein only when phosphorylated at S522. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):KTsPA

| Target Information

Gene name

DPYSL2

Protein Name

Dihydropyrimidinase-related protein 2

Organism	Gene ID	UniProt ID
Human	<u>1808;</u>	<u>Q16555;</u>
Mouse	<u>12934;</u>	<u>008553;</u>
Rat	<u>25416;</u>	<u>P47942;</u>

Cellular Localization

Cytoplasm, cytosol . Cytoplasm, cytoskeleton . Membrane . Tightly but non-covalently associated with membranes.

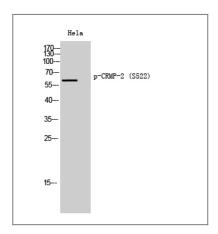
Tissue specificity Ubiquitous.

Function

Function:Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance, neuronal growth cone collapse and cell migration.,PTM:3F4, a monoclonal antibody which strongly stains neurofibrillary tangles in Alzheimer disease brains, specifically labels DPYSL2 when phosphorylated on Ser-518, Ser-522 and Thr-509.,similarity:Belongs to the DHOase family.

Hydantoinase/dihydropyrimidinase subfamily., subunit: Homotetramer, and heterotetramer with CRMP1, DPYSL3, DPYSL4 or DPYSL5 (By similarity). Interacts through its C-terminus with the C-terminus of CYFIP1/SRA1. Interacts with HTR4., tissue specificity: Ubiquitous.,

Validation Data



Western Blot analysis of Hela cells using Phospho-CRMP-2 (S522) Polyclonal Antibody diluted at 1:2000

| Contact information

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Please scan the QR code to access additional product information:
CRMP-2 (Phospho Ser522) Rabbit pAb

For Research Use Only. Not for Use in Diagnostic Procedures.

Antibody | ELISA Kits | Protein | Reagents