

DRP-2 (phospho-S522) polyclonal antibody

Catalog: BS64166

Host: Rabbit

Reactivity: Human,Rat,Mouse

BackGround:

Collapsin response mediator proteins (CRMPs), including CRMP-1 (DRP-1), CRMP-2 (DRP-2 or TOAD64), CRMP-3 (DRP-4), CRMP-4 (DRP-3) and CRMP-5 (DRP-5), mediate signal transduction after exposure of neural cells to the axon guidance molecule semaphorin 3A/collapsin. CRMPs are present in the developing cerebral cortex and neocortical neurons and are responsive to semaphorin 3A. In the adult brain, the expression of CRMPs is dramatically downregulated. However, they remain expressed in structures that retain their capacity for differentiation and plasticity. CRMP-2 is involved in axonal growth and guidance. The human CRMP-2 gene is located in 8p21.2, a chromosomal region that has been previously shown to have a significant linkage to schizophrenia and to several deficit symptoms of schizophrenia.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 72 kDa

Swiss-Prot:

Q16555

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

DRP-2 (phospho-S522) polyclonal antibody detects endogenous levels of DPYSL2 protein only when phosphorylated at Ser522 .

DATA:



Western blot (WB) analysis of DRP-2 (phospho-S522) polyclonal antibody at 1:500 dilution

Lane1:A375 whole cell lysate(40ug)

Lane2:MCF-7 whole cell lysate(40ug)

Lane3:PC12 whole cell lysate(40ug)

Lane4:AML-12 whole cell lysate(40ug)

Note:

For research use only, not for use in diagnostic procedure.

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