

Anti CRMP-4 pThr509

Collapsin Response mediator protein 4
Dihydropyrimidinase-related protein 3

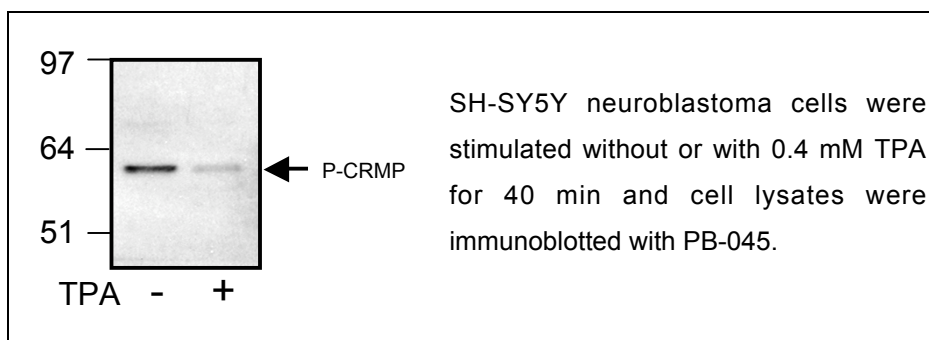
Order No. PB-045

Antibody concentration: 0.58 mg/ml

Amount per vial: 100µg

Lot No 1

Store at **-20°C**



Product description:

Polyclonal, affinity purified antibody raised in sheep against the peptide FDLTTpTPKGGT resembling aa 504-514 of CRMP-4 Acc. No. Q14195 phosphorylated at Thr509. Recognizes phosphorylated human, rat and mouse CRMP-4.

Applications: Western blotting

Application advise

Western blocking buffer: 5% dry milk, 50mM Tris pH 7.5, 150mM NaCl, 0.1% Tween.

1st Ab buffer: 0.1 -1µg/ml antibody in western blocking buffer in the presence of 0.1-1µM dephospho peptide PT-045 (comes with the antibody). Wash buffer: 50mM Tris pH 7.5, 150mM NaCl, 0.1% Tween.

2nd Ab buffer: HRP coupled anti sheep Pierce 31480 (1:10000) in western blocking buffer.

Background Information

CRMP isoforms were identified as major brain substrates for glycogen synthase kinase 3. Residues Thr509, Thr514 and Thr518 are phosphorylated by GSK3 upon priming by phosphorylation of Ser522, possibly by CDK5 or in the case of CRMP-4 by DYRK2 (Cole et al., (2004) J. Biol. Chem. 279:50176-80 and Cole et al., (2006) J. Biol. Chem. 281:16591-8).

For in vitro use only.

For research use only.

Not for clinical use or consumption.

Not for diagnostic use.

Do not inject in humans or animals.