CABIN1 polyclonal antibody

Catalog: BS60795 Host: Rabbit Reactivity: Human,Rat

BackGround:

Calcineurin binding protein (Cabin-1) and the corresponding rat homolog, designated Cain, are widely expressed nuclear phosphoproteins that regulate the serine/threonine phosphotase activity of calcineurin and influence T cell signaling and apoptosis. Calcineurin is required for the transcriptional activation of cytokines and the activation of various transcription factors, including NFAT, NFκB and AP-1, involved in T cell receptor (TCR)-mediated signaling. The regulation of calcineurin depends on the changes in intracellular calcium concentrations and the activity of protein kinase C. TCR activation results in PKC inducing the hyperphosphorylation of Cabin-1, which facilitates the high affinity binding of Cabin-1 to calcineurin. This complex formation, in turn, inhibits calcineurin activity and attenuates TCR-mediated signaling. Cabin-1 also associates directly with MEF-2 proteins, a family of transcription factors that regulate apoptosis signaling in T cells. This association between Cabin-1 and MEF-2 leads to the inhibition of MEF-2-mediated gene transcription and the inhibition of apoptosis.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 246 kDa

Swiss-Prot:

Q9Y6J0

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

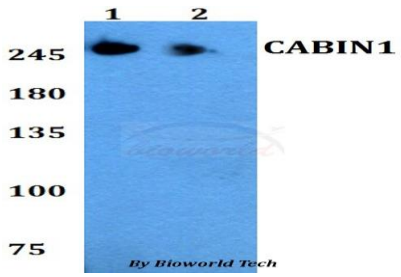
Storage&Stability:

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

Specificity:

CABIN1 polyclonal antibody detects endogenous levels of CABIN1 protein.

DATA:



Western blot (WB) analysis of CABIN1 polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:PC12 whole cell lysate

Note:

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

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