

SAPAP1 (E817) polyclonal antibody

Catalog: BS1864

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Members of the postsynaptic density-95 (PSD-95)/SAP90 family of membrane-associated guanylate kinase (MAGUK) proteins function as multimodular scaffolds that organize protein-signaling complexes at neuronal synapses. PSD-95/SAP90 binds guanylate kinase-associated protein (GKAP), also designated GK domain-binding protein, DAP-1- α , DAP-1- β , PSD-95 binding protein, PSD-95/SAP90 associated protein, or SAPAP1, through the guanylate kinase domain. SAPAP1 is expressed widely in neurons of the cortex and hippocampus and in the Purkinje and granule cells of the cerebellum. N-terminal splice variants of SAPAP1 are expressed as 95 and 130 kDa proteins. SAPAP1 is localized specifically in the PSD of glutamatergic synapses, consistent with its direct interaction with PSD-95 family proteins.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 108 kDa

Swiss-Prot:

O14490

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

IHC: 1:50~1:200

IF: 1:50~1:200

Storage&Stability:

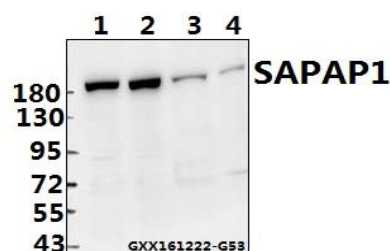
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

SAPAP1 (E817) polyclonal antibody detects endogenous levels of SAPAP1 protein.

DATA:



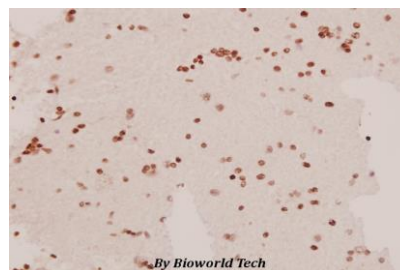
Western blot (WB) analysis of SAPAP1 (E817) polyclonal antibody at 1:500 dilution

Lane1: The Brain tissue lysate of Mouse(40ug)

Lane2: The Brain tissue lysate of Rat(40ug)

Lane3: U-87MG whole cell lysate(40ug)

Lane4: U-251MG whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of SAPAP1 (E817) pAb in paraffin-embedded human brain carcinoma tissue at 1:50.

Note:

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

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