

PP1A / PPP1CA (N-terminus) monoclonal antibody

Catalog: MB0084

Host: Mouse

Reactivity: Human

BackGround:

Protein phosphatase 1 (PP1) is essential for cell division, and participates in the regulation of glycogen metabolism, muscle contractility and protein synthesis. Involved in regulation of ionic conductances and long-term synaptic plasticity. May play an important role in dephosphorylating substrates such as the postsynaptic density-associated Ca(2+)/calmodulin dependent protein kinase II. Component of the PTW/PP1 phosphatase complex, which plays a role in the control of chromatin structure and cell cycle progression during the transition from mitosis into interphase.

Product:

Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

Molecular Weight:

Predicted band size: 38KDa

Observed band size: 38KDa

Swiss-Prot:

P62136

Purification&Purity:

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

Applications:

WB: 1:1000

ICC: 1:200~400

IHC: 1:500

Storage&Stability:

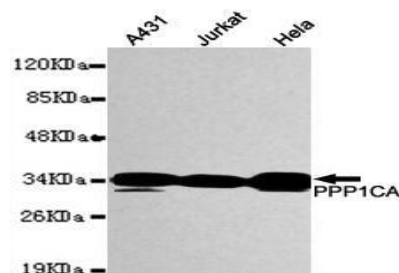
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

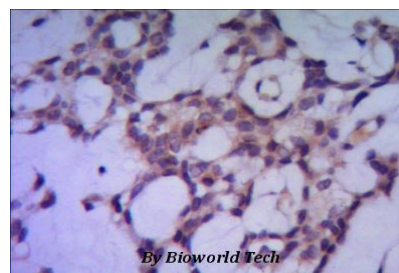
This antibody detects endogenous levels of PP1A (N-terminus) and does not cross-react with related proteins.

teins

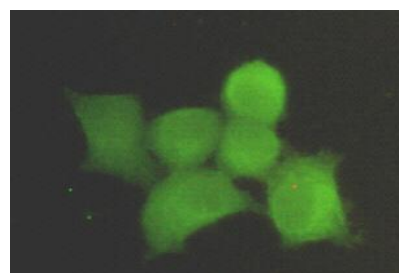
DATA:



Western blot detection of PPP1CA in MCF7, K562, HeLa, HEPG2 & Jurkat cell lysates using PPP1CA antibody (1:1000 diluted).



IHC of paraffin-embedded human breast cancer using anti-PPP1CA diluted 1/500-1/1000.



Immunocytochemistry stain of HeLa using PPP1CA antibody (1:300).

Note:

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

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