

Op18 (phospho-S16) polyclonal antibody

Catalog: BS4749

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Op18 (for oncoprotein 18, also designated stathmin, prosolin or metablastin) is a conserved, tubulin-associated, intracellular phosphoprotein. Many different phosphorylated forms of Op18 are observed, and it is expressed as two different isoforms. Op18 is considered a critical regulator of microtubulin dynamics and is downregulated by p53. It serves as a transducing protein, via phosphorylation, for a variety of cell signaling pathways and is involved in both mitosis and differentiation. Op18 is present in many cancers, including breast carcinomas, and is highly expressed in acute leukemias of different subtypes.

Product:

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

Molecular Weight:

~ 19 kDa

Swiss-Prot:

P16949

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

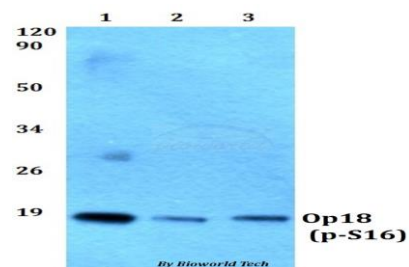
Storage&Stability:

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

Specificity:

p-Op18 (S16) polyclonal antibody detects endogenous levels of Op18 protein only when phosphorylated at Ser16.

DATA:

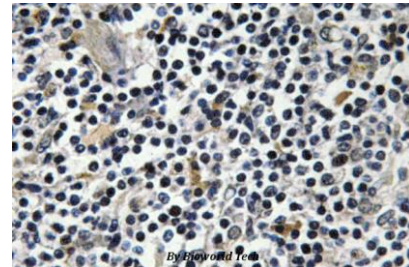


Western blot (WB) analysis of p-Op18 (S16) polyclonal antibody at 1:500 dilution

Lane1:HEK293T cell lysate treated with colchicine(0.2ng/ml,24h)

Lane2:Raw264.7 cell lysate treated with colchicine(0.2ng/ml,24h)

Lane3:PC12 cell lysate treated with colchicine(0.2ng/ml,24h)



Immunohistochemistry (IHC) analyzes of p-Op18 (S16) pAb in paraffin-embedded human thymus gland tissue.

Note:

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

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