

## Op18 (phospho-S38) polyclonal antibody

Catalog: BS4751

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

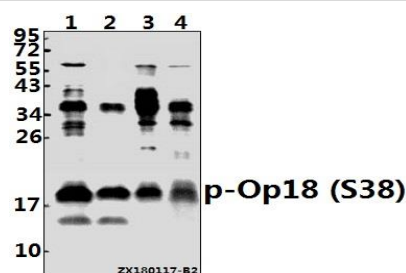
### Storage&Stability:

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

### Specificity:

p-Op18 (S38) polyclonal antibody detects endogenous levels of Op18 protein only when phosphorylated at Ser38.

### DATA:



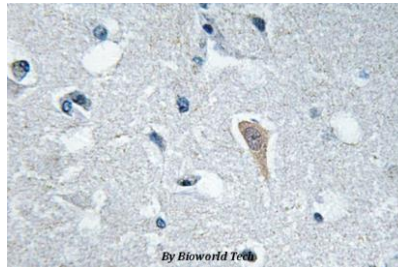
Western blot (WB) analysis of p-Op18 (S38) pAb at 1:1000 dilution

Lane1:HCT116 whole cell lysate(40ug)

Lane2:SK-OVCAR3 whole cell lysate(40ug)

Lane3:The Ovary tissue lysate of Rat(40ug)

Lane4:The Embryo tissue lysate of Mouse(40ug)



Immunohistochemistry (IHC) analyzes of p-Op18 (S38) pAb in paraffin-embedded human brain tissue.

### Note:

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

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