

## PP2A- $\alpha$ (T301) polyclonal antibody

Catalog: BCP01356

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

In eukaryotes, the phosphorylation and dephosphorylation of proteins on serine and threonine residues is an essential means of regulating a broad range of cellular functions, including division, homeostasis and apoptosis. A group of proteins that are intimately involved in this process are the protein phosphatases. In general, the protein phosphatase (PP) holoenzyme is a trimeric complex composed of a regulatory subunit, a variable subunit and a catalytic subunit. Four major families of protein phosphatase catalytic subunits have been identified, designated PP1, PP2A, PP2B (calcineurin) and PP2C. The PP2A family comprises subfamily members PP2A $\alpha$  and PP2A $\beta$ . An additional protein phosphatase catalytic subunit, PPX (also known as PP4) is a putative member of a novel PP family.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 38 kDa

### Swiss-Prot:

P67775

### 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:

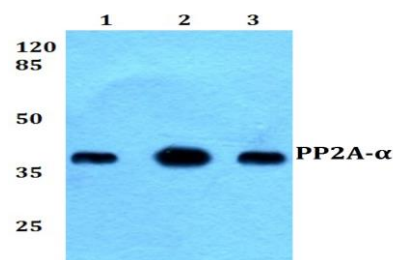
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

### Specificity:

PP2A- $\alpha$  (T301) polyclonal antibody detects endogenous levels of PP2A- $\alpha$  protein.

### DATA:



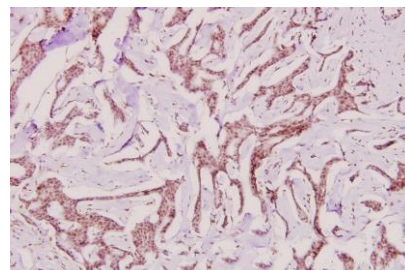
Western blot (WB) analysis of PP2A- $\alpha$  (T301) polyclonal antibody at 1:500 dilution

Lane1:HeLa whole cell lysate(40ug)

Lane2:COS-7 whole cell lysate(40ug)

Lane3:C6 whole cell lysate(40ug)

Lane4:NIH-3T3 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of PP2A- $\alpha$  (T301) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

### Note:

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