

## 14-3-3 $\theta$ /YWHAQ (phospho-S232) polyclonal antibody

Catalog: BS64156

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

Protein interactions with 14-3-3 show distinct preferences for its different isoforms and are regulated by phosphorylation of both 14-3-3 and the bound protein. 14-3-3 tau/theta is primarily expressed in T-cells although it occurs at lower levels in the brain, heart, pancreas placenta and kidneys. It plays a role in cell cycle progression via interaction with p27(Kip1). Along with COPI, the theta isoform binds the GB1 RSR sequence involved in protein trafficking. The isoform forms a complex with Hsp60 and cellular prion protein which may be involved in prion diseases. Elevated levels of 14-3-3 tau/theta are observed in amyotrophic lateral sclerosis. 14-3-3 tau/theta also binds BCR/Abl, bacterial effector protein Tir, yes-associated protein and the FSH receptor.

### Product:

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

### Molecular Weight:

~ 28 kDa

### Swiss-Prot:

P27348

### 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

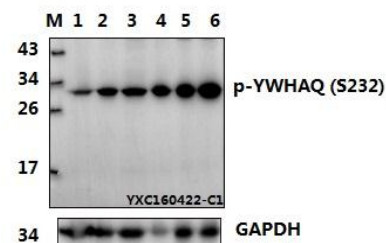
### Storage&Stability:

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

### Specificity:

p-YWHAQ (S232) polyclonal antibody detects endogenous levels of YWHAQ protein only when phosphorylated at Ser232.

### DATA:



Western blot (WB) analysis of p-YWHAQ (S232) polyclonal antibody at 1:500 dilution

Lane1: HeLa whole cell lysate

Lane2: HeLa treated with LPS(100ng/ml, 30min) whole cell lysate

Lane3: C6 whole cell lysate

Lane4: C6 treated with EGF(0.1ng/ml, 30min) whole cell lysate

Lane5: BV2 whole cell lysate

Lane6: BV2 treated with LPS(100ng/ml, 30min) whole cell lysate

### Note:

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

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