

## 14-3-3 $\theta$ (Q67) polyclonal antibody

Catalog: BS2179

Host: Rabbit

Reactivity: Human

### 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

IHC: 1:50~1:200

IF: 1:50~1:200

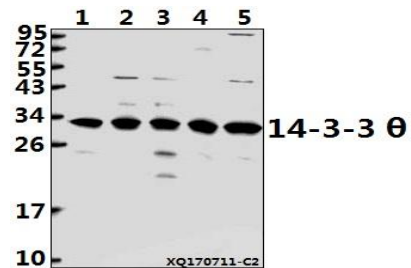
### Storage&Stability:

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

### Specificity:

14-3-3  $\theta$  (Q67) polyclonal antibody detects endogenous levels of 14-3-3 protein theta/tau.

### DATA:



Western blot (WB) analysis of 14-3-3  $\theta$  (Q67) pAb at 1:500 dilution

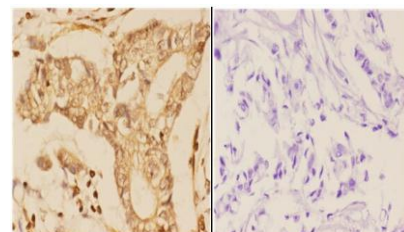
Lane1:K562 whole cell lysate(40ug)

Lane2:HepG2 whole cell lysate(40ug)

Lane3:A549 whole cell lysate(40ug)

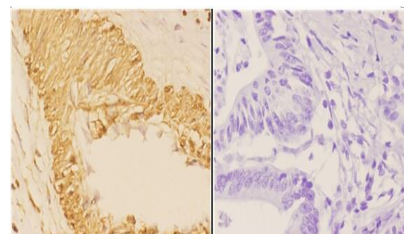
Lane4:HEK293T whole cell lysate(40ug)

Lane5:U-87MG whole cell lysate(40ug)



BS2179  
Lot CF36131

Immunohistochemistry (IHC) analyzes of 14-3-3  $\theta$  (Q67) pAb in paraffin-embedded human breast carcinoma tissue at 1:50, showing cytoplasmic and nuclear staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



BS2179  
Lot CF36131

Immunohistochemistry (IHC) analyzes of 14-3-3  $\theta$  (Q67) pAb in paraffin-embedded human colon carcinoma tissue at 1:50, showing cytoplasmic and nuclear staining. Negative control (the right) Using PBS instead

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## PRODUCT DATA SHEET

Bioworld Technology, Inc.

of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

**Note:**

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

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