



## Tubulin $\alpha$ (G436) polyclonal antibody

Catalog: QS04014

### BackGround:

Tubulin is a major cytoskeleton component that has three distinct forms, designated  $\alpha$ ,  $\beta$  and  $\gamma$  Tubulin.  $\alpha$  and  $\beta$  Tubulins form heterodimers, which multimerize to form a microtubule filament.  $\gamma$  Tubulin forms a soluble multi-protein particle with several other proteins. This particle, designated the gammasome, is required for nucleating microtubule filaments at the centrosome. In several organisms, numerous isoforms of the Tubulins exist that are encoded by different genes. The  $\alpha$  and  $\beta$  isoforms undergo a variety of post-translational modifications, which may affect microtubule stability and protein interactions. High expression of class II  $\beta$  Tubulin has been seen in elongating axons, indicating a role in neurite outgrowth. Tubulins may also play a role in non-neuronal cell process formation.

### Product:

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

### Molecular Weight:

~ 55 kDa

### Swiss-Prot:

Q71U36/P68363

### 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: 1:5000~20000

IHC: 1:100~500

IF: 1:500~1000

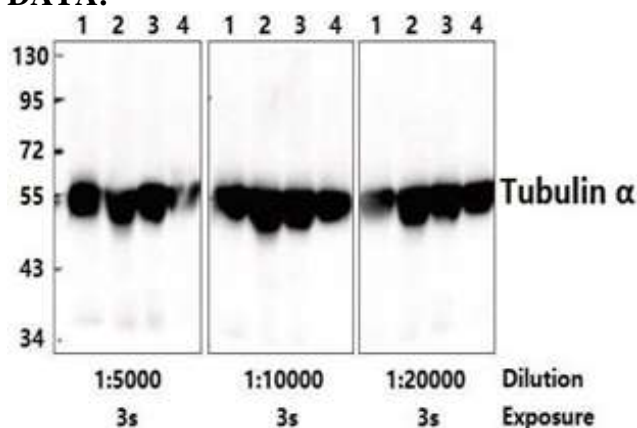
### Storage&Stability:

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

### Specificity:

Tubulin  $\alpha$  (G436) polyclonal antibody detects endogenous levels of Tubulin  $\alpha$  protein.

### DATA:





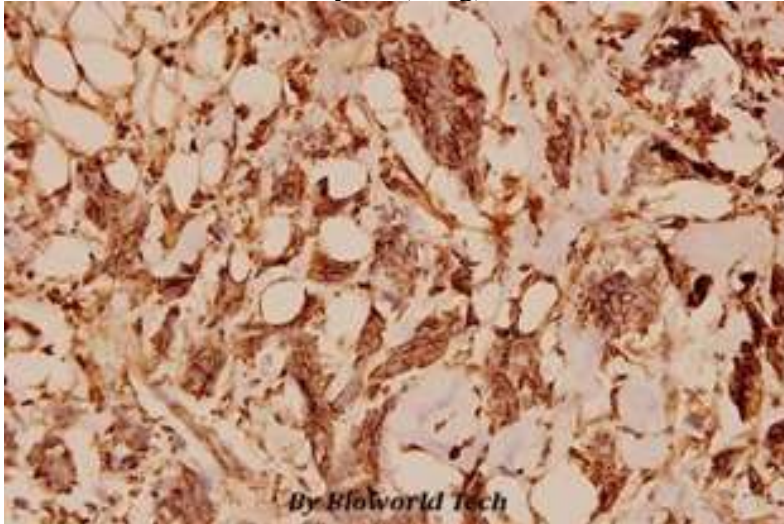
Western blot (WB) analysis of Tubulin  $\alpha$  (G436) pAb at 1:5000/1:10000/1:20000 dilution

Lane1:A549 whole cell lysate(40ug)

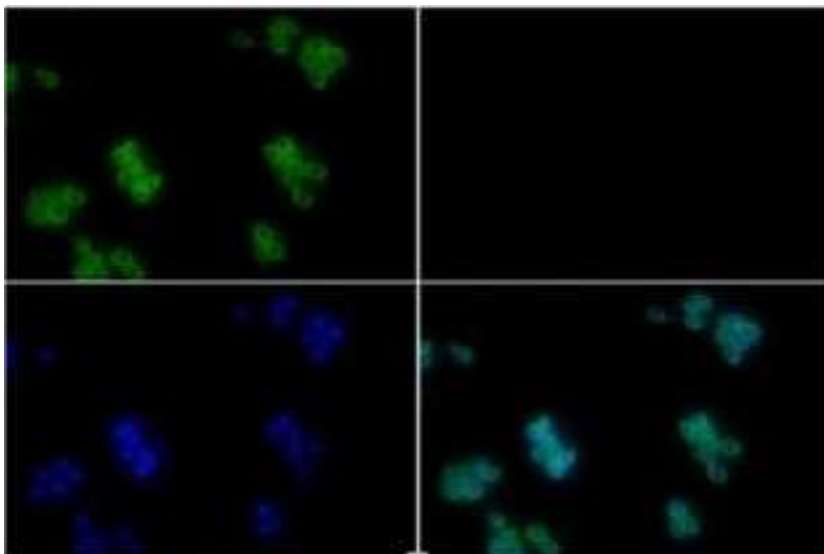
Lane2:HEK293T whole cell lysate(40ug)

Lane3:PC12 whole cell lysate(40ug)

Lane4:CT-26 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of Tubulin  $\alpha$  (G436) pAb in paraffinembedded human breast carcinoma tissue at1:100.



Immunofluorescence analysis of RAW264.7 cells using Tubulin  $\alpha$ . (G436) pAb at dilution of 1:1000 (40x lens).

**Note:**

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