

Tubulin α (G436) monoclonal antibody

Catalog: BS1699M

Host: Mouse

Reactivity: Human, Mouse, Rat

BackGround:

Tubulin is a major cytoskeleton component that has three distinct forms, designated α , β and γ Tubulin. α and β Tubulins form heterodimers, which multimerize to form a microtubule filament. γ 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 α and β isoforms undergo a variety of post-translational modifications, which may affect microtubule stability and protein interactions. High expression of class II β 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:

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: 1:100~500

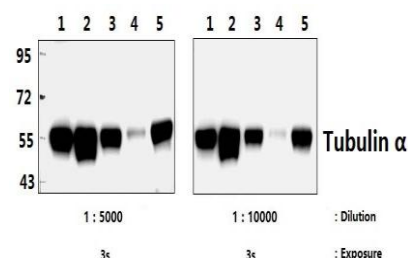
Storage&Stability:

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

Specificity:

Tubulin α (G463) mAb detects endogenous levels of α -Tubulin protein.

DATA:



Western blot (WB) analysis of Tubulin α (G436) pAb at 1:5000/1:10000 dilution

Lane1:HEK293T whole cell lysate(20ug)

Lane2:C6 whole cell lysate(20ug)

Lane3:BV2 whole cell lysate(20ug)

Lane4:The Heart tissue lysate of Mouse(20ug)

Lane5:The Brain tissue lysate of Rat(20ug)

Note:

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

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