

HRP Conjugated Anti-beta Tubulin Antibody [JF41-50] ET1702-68



| | |
|----------------------------|-------------------------------------------------------|
| Product Type: | Recombinant Rabbit monoclonal IgG, primary antibodies |
| Species reactivity: | Human, Mouse, Rat |
| Applications: | WB |
| Molecular Wt: | Predicted band size: 50 kDa |
| Clone number: | JF41-50 |

Description: Tubulin is a major cytoskeleton component that has five distinct forms, designated α , β , γ , δ and ϵ Tubulin. α and β Tubulins form heterodimers which multimerize to form a microtubule filament. Multiple β Tubulin isoforms ($\beta 1$, $\beta 2$, $\beta 3$, $\beta 4$, $\beta 5$, $\beta 6$ and $\beta 8$) have been characterized and are expressed in mammalian tissues. $\beta 1$ and $\beta 4$ are present throughout the cytosol, $\beta 2$ is present in the nuclei and nucleoplasm, and $\beta 3$ is a neuron-specific cytoskeletal protein. γ Tubulin forms the gammasome, which is required for nucleating microtubule filaments at the centrosome. Both δ Tubulin and ϵ Tubulin are associated with the centrosome. δ Tubulin is a homolog of the Chlamydomonas δ Tubulin Uni3 and is found in association with the centrioles, whereas ϵ Tubulin localizes to the pericentriolar material. ϵ Tubulin exhibits a cell-cycle-specific pattern of localization, first associating with only the older of the centrosomes in a newly duplicated pair and later associating with both centrosomes.

Conjugate: HRP-conjugated

Immunogen: Synthetic peptide within Human beta Tubulin aa 308-357 / 444.

Positive control: Hela cell lysate, PC-12 cell lysate, NIH/3T3 cell lysate.

Subcellular location: Cytoskeleton.

Database links: SwissProt: P07437 Human | P99024 Mouse | P69897 Rat

Recommended Dilutions:

WB 1:500-1:2,000

Storage Buffer: 1*TBS (pH7.4), 0.05% BSA, 40% Glycerol.

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

Hangzhou Huan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

华安生物
HUABIO
www.huabio.cn

Images

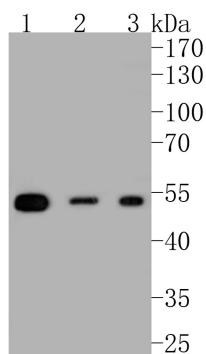


Fig1: Western blot analysis of beta Tubulin on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (ET1702-68, 1/500) was used in 5% BSA at room temperature for 2 hours.

Positive control:

Lane 1: Hela cell lysate

Lane 2: PC-12 cell lysate

Lane 3: NIH/3T3 cell lysate

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Hedberg ML et al. Genetic landscape of metastatic and recurrent head and neck squamous cell carcinoma. *J Clin Invest* 126:169-80 (2016).
2. Huang R et al. The role of HDAC2 in chromatin remodelling and response to chemotherapy in ovarian cancer. *Oncotarget* 7:4695-711 (2016).

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

华安生物
HUABIO
www.huabio.cn