

TUBA1/3/4 (Phospho-Tyr272) Antibody

Catalog No: #11829



Package Size: #11829-1 50ul #11829-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

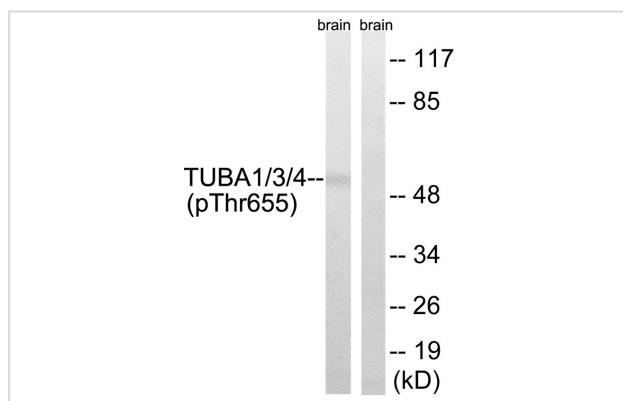
Description

| | |
|-----------------------|---|
| Product Name | TUBA1/3/4 (Phospho-Tyr272) Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| Applications | WB |
| Species Reactivity | Hu Ms Rt |
| Specificity | The antibody detects endogenous levels of TUBA1/3/4 only when phosphorylated at tyrosine 272. |
| Immunogen Type | Peptide-KLH |
| Immunogen Description | Peptide sequence around phosphorylation site of tyrosine 272 (A-T-Y(p)-A-P) derived from Human TUBA1/3/4. |
| Target Name | TUBA1/3/4 |
| Modification | Phospho |
| Other Names | TBA1; TBA1A; TBA4A; TUBA1; |
| Accession No. | Swiss-Prot#: Q71U36/P68363/Q9BQE3/Q13748/Q6PEY2/P68366; NCBI Gene#: 7846/10376/84790/113457/7278/112714/7277; NCBI Protein#: NP_001257328.1. |
| Uniprot | Q71U36 |
| GeneID | 7846; |
| SDS-PAGE MW | 50-55kd |
| Concentration | 1.0mg/ml |
| Formulation | Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C/1 year |

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from Rat brain cells using TUBA1/3/4 (Phospho-Tyr272) Antibody #11829. The lane on the right is treated with the antigen-specific peptide.

Background

Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are composed of a heterodimer of alpha and beta tubulins. The genes encoding these microtubule constituents belong to the tubulin superfamily, which is composed of six distinct families. Genes from the alpha, beta and gamma tubulin families are found in all eukaryotes. The alpha and beta tubulins represent the major components of microtubules, while gamma tubulin plays a critical role in the nucleation of microtubule assembly. There are multiple alpha and beta tubulin genes, which are highly conserved among species.

Adler A.J., Bioorg. Med. Chem. 9:1967-1976(2001).

Sugano S., Nat. Genet. 36:40-45(2004).

Venter J.C., Submitted (JUL-2005).

Note: This product is for in vitro research use only