

TUBA1/3/4 (Phospho-Tyr272) Antibody

Catalog No: #11829

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

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

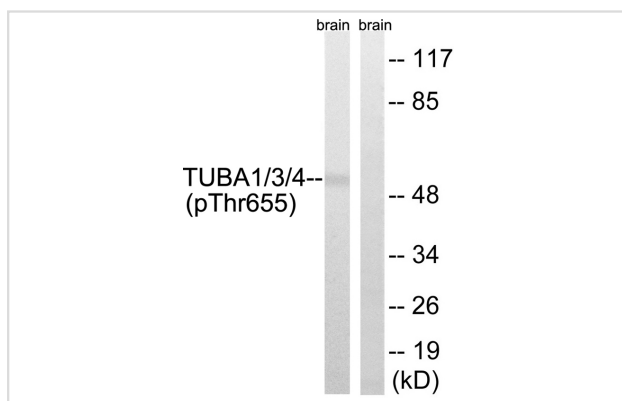
Description

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 Mg ²⁺ and Ca ²⁺), 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