TUBA1/3/4 (Phospho-Tyr272) Conjugated Antibody

Catalog No: #C11829

Package Size: #C11829-AF350 100ul #C11829-AF405 100ul #C11829-AF488 100ul #C11829-AF555 100ul #C11829-AF594 100ul #C11829-AF647 100ul #C11829-AF680 100ul #C11829-AF750 100ul #C11829-Biotin 100ul

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Description

Product Name	TUBA1/3/4 (Phospho-Tyr272) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of TUBA1/3/4 only when phosphorylated at tyrosine 272.
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 272 (A-T-Y(p)-A-P) derived from Human TUBA1/3/4.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	TBA1;TBA1A;TBA4A; TUBA1
Accession No.	Swiss-Prot#:Q71U36/P68363/Q9BQE3/Q13748/Q6PEY2/P68366NCBI Gene ID:7846/10376/84790/113457/7278/112714/7277NCBI mRNA#:NM_001270399.1. NCBI Protein#:NP_001257328.1.
Uniprot	Q71U36
GeneID	7846;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	50-55
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Product Description

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 chromatogramphy using non-phosphopeptide.

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.

Note: This product is for in vitro research use only