

TUBG1 monoclonal antibody, clone TU-32

Catalog # MAB3661

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of TUBG1.
Immunogen	A synthetic peptide corresponding to amino acids 434-449 of human TUBG1.
Sequence	EYHAATRPDYISWGTQ
Host	Mouse
Theoretical MW (kDa)	48
Reactivity	Human
Specificity	This antibody recognizes an epitope (amino acids 434-449 in human) within C-terminus of TUBG1, a 48 KDa structural constituent of cytoskeleton and microtubule organizing center (MTOC).
Form	Liquid
Isotype	IgG1
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunocytochemistry

Gene Info — TUBG1

Entrez GeneID	7283
Gene Name	TUBG1
Gene Alias	TUBG, TUBGCP1
Gene Description	tubulin, gamma 1
Omim ID	191135
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the tubulin superfamily. The encoded protein localizes to the centrosome where it binds to microtubules as part of a complex referred to as the gamma-tubulin ring complex. The protein mediates microtubule nucleation and is required for microtubule formation and progression of the cell cycle. A pseudogene of this gene is found on chromosome 7. [provided by RefSeq]
Other Designations	tubulin, gamma polypeptide

Publication Reference

- [No ligand binding in the GB2 subunit of the GABA\(B\) receptor is required for activation and allosteric interaction between the subunits.](#)

Kniazeff J, Galvez T, Labesse G, Pin JP.
Journal of Neuroscience 2002 Sep; 22(17):7352.
- [Function of GB1 and GB2 subunits in G protein coupling of GABA\(B\) receptors.](#)

Margeta-Mitrovic M, Jan YN, Jan LY.
PNAS 2001 Nov; 98(25):14649.
- [Gamma-aminobutyric acid type B receptors with specific heterodimer composition and postsynaptic actions in hippocampal neurons are targets of anticonvulsant gabapentin action.](#)

Ng GY, Bertrand S, Sullivan R, Ethier N, Wang J, Yergey J, Belley M, Trimble L, Bateman K, Alder L, Smith A, McKernan R, Metters K, O'Neill GP, Lacaille JC, Hébert TE.
Molecular Pharmacology 2001 Jan; 59(1):144.

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