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Anti-Tubulin gamma Rabbit Monoclonal Antibody

Catalog # ABO14145

Product Information

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	P23258
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse, Zebrafish, Monkey
Clonality	Monoclonal
Format	Liquid
Description	Anti-Tubulin gamma Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Monkey, Mouse, Rat, Zebrafish.

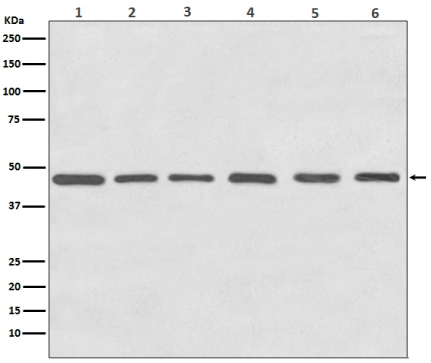
Additional Information

Gene ID	7283
Other Names	Tubulin gamma-1 chain, Gamma-1-tubulin, Gamma-tubulin complex component 1, GCP-1, TUBG1 (HGNC:12417), TUBG
Calculated MW	51170
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:50 FC 1:50
Subcellular Localization	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: DAE-20
Immunogen	A synthesized peptide derived from human Tubulin gamma
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

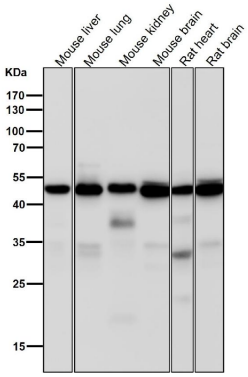
Name	TUBG1 (HGNC:12417)
Synonyms	TUBG
Function	Tubulin is the major constituent of microtubules, protein filaments consisting of alpha- and beta-tubulin heterodimers (PubMed:38305685, PubMed:38609661, PubMed:39321809). Gamma-tubulin is a key component of the gamma-tubulin ring complex (gTuRC) which mediates microtubule nucleation (PubMed:38305685, PubMed:38609661, PubMed:39321809). The gTuRC regulates the minus-end nucleation of alpha-beta tubulin heterodimers that grow into microtubule protafilaments, a critical step in centrosome duplication and spindle formation (PubMed:38305685, PubMed:38609661, PubMed:39321809). Plays a role in sperm morphological development during late stage spermiogenesis, particularly the anchoring of the sperm head to the tail (PubMed:38870534).
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle. Note=Localizes to mitotic spindle microtubules.

Images

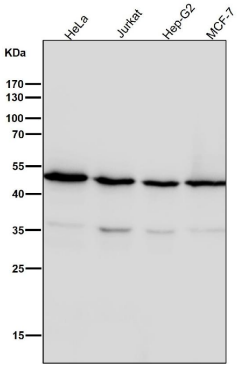


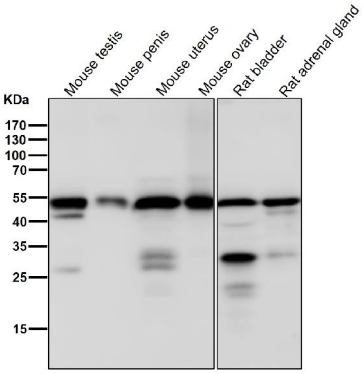
Western blot analysis of Tubulin gamma expression in (1) HeLa cell lysate; (2) NIH 3T3 cell lysate; (3) C6 cell lysate; (4) Zebrafish lysates; (5) COS-1 cell lysate; (6) MDCK cell lysate.

All lanes use the Antibody at 1:5K dilution for 1 hour at room temperature.

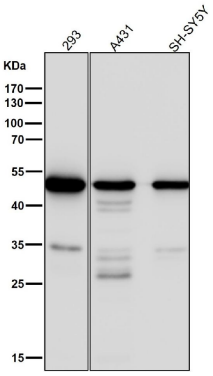


All lanes use the Antibody at 1:5K dilution for 1 hour at room temperature.

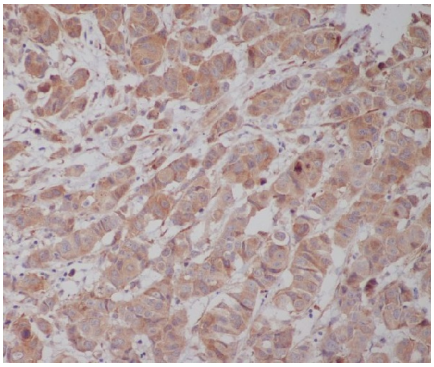




All lanes use the Antibody at 1:5K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:5K dilution for 1 hour at room temperature.



Immunohistochemical analysis of paraffin-embedded human breast cancer, using Tubulin gamma Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.