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Datasheet for ABIN238522
anti-TUBG1 antibody (C-Term)

3 Images

Overview

Quantity:	0.1 mg
Target:	TUBG1
Binding Specificity:	AA 434-449, C-Term
Reactivity:	Human, Rat, Mouse, Chicken, Protozoa, Plant, Pig
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TUBG1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	C-terminal peptide (aa 434-449) of gamma-tubulin conjugated to KLHAA Sequence: EYHAATRPDYISWGTQ
Clone:	TU-30
Isotype:	IgG1
Specificity:	The antibody TU-30 recognizes C-terminal peptide sequence of gamma-Tubulin.
Characteristics:	Synonyms: Tubulin gamma-1 chain, Gamma-1-tubulin, GCP-1, Gamma-tubulin complex component 1
Purification:	Protein-A Affinity Chromatography

Target Details

Target:	TUBG1
Alternative Name:	TUBG1 / Tubulin gamma 1 (TUBG1 Products)
Background:	<p>The gamma-tubulin (TUBG1, relative molecular weight about 48 kDa) is a minor member of tubulin family (less than 0.01 % of tubulin dimer). The gamma-tubulin ring structures, however, serve to provide structural primer for initiation of microtubular nucleation and growth, thereby being crucial for microtubule-based cellular processes, above all for mitotic spindle formation. In animal cells, a center of microtubule organization is the centrosome composed of a pair of cylindrical centrioles surrounded by fibrous pericentriolar material containing gamma-tubulin. Formation of the mitotic spindle is preceded by duplication of centrosome during S phase. Before mitosis, both centrosomes increase their microtubule nucleation capacity and form two microtubule asters that are pushed apart from each other by the forces of motor proteins associated at the microtubule surface. Synonyms: GCP-1, Gamma-1-tubulin, Gamma-tubulin complex component 1, Tubulin gamma-1 chain</p>
Gene ID:	7283
UniProt:	P23258
Pathways:	Microtubule Dynamics, M Phase

Application Details

Application Notes:	<p>Immunocytochemistry (Purified Antibody: 1-2 µg/mL, Staining technique: (a) Fix cells for 10 min in methanol at -20C and for 6 min in acetone at -20C, (b) Fix cells directly in methanol for 10 min at -20C or in acetone for 10 min at -20C. Incubation: 45 min in room temperature, Positive control: P-19 mouse embryonal carcinoma cell line 3T3 mouse fibroblasts, Application note: The antibody TU-30 stains only fixed cells). Western blot.</p> <p>Other applications not tested.</p> <p>Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH ~7.4 with 15 mM Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

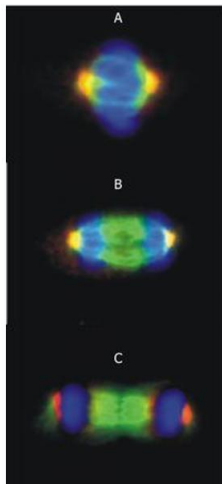
should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

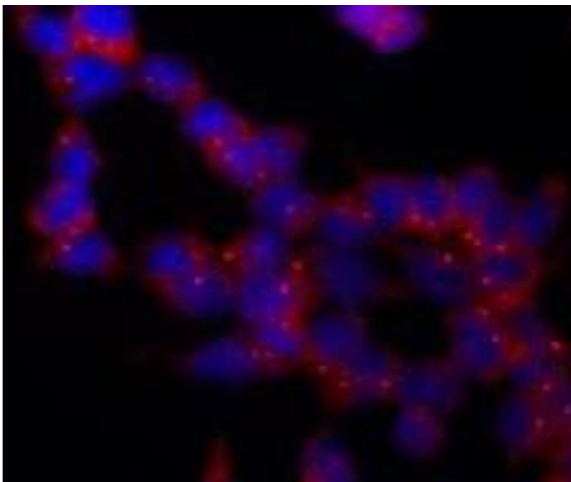
Expiry Date: 12 months

Images



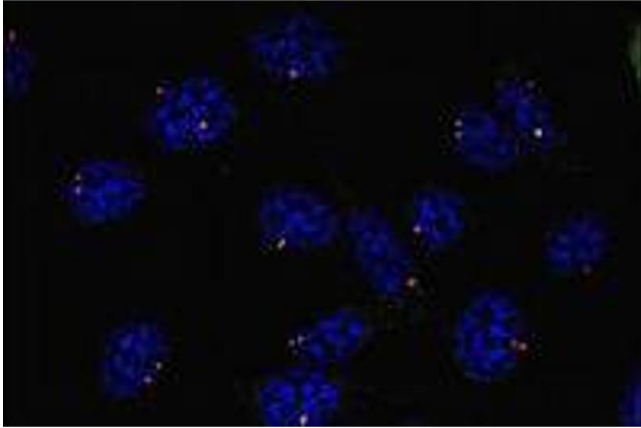
Immunofluorescence

Image 1.



Immunofluorescence

Image 2.



Immunofluorescence

Image 3.