Datasheet for ABIN7250341

anti-TUBG1 antibody

3 Images

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Overview

Quantity:	200 µL
Target:	TUBG1
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TUBG1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Synthetic Peptide of Gamma Tubulin
Clone:	3E4
Isotype:	IgG
Characteristics:	Monoclonal Antibody
Purification:	Protein A purification

Target Details

Target:	TUBG1
Alternative Name:	gamma-Tubulin1 (TUBG1) (TUBG1 Products)
Background:	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-

Target Details

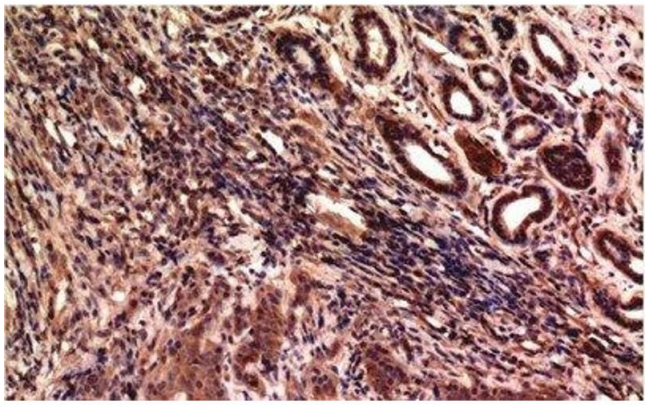
	tubulin ring complex. The protein mediates microtubule nucleation and is required for microtubule formation and progression of the cell cycle. A pseudogene of this gene is found on chromosome 7. TUBG1 (Tubulin Gamma 1) is a Protein Coding gene. Diseases associated with TUBG1 include Cortical Dysplasia, Complex, With Other Brain Malformations 4 and Reducing Body Myopathy. Among its related pathways are Regulation of PLK1 Activity at G2/M Transition and Sertoli-Sertoli Cell Junction Dynamics. GO annotations related to this gene include GTP binding and structural constituent of cytoskeleton. An important paralog of this gene is TUBG2.
Molecular Weight:	50 kDa
UniProt:	P23258
Pathways:	Microtubule Dynamics, M Phase

Application Details

Application Notes:	WB 1:1000-2000, IHC 1:100-200
Restrictions:	For Research Use only

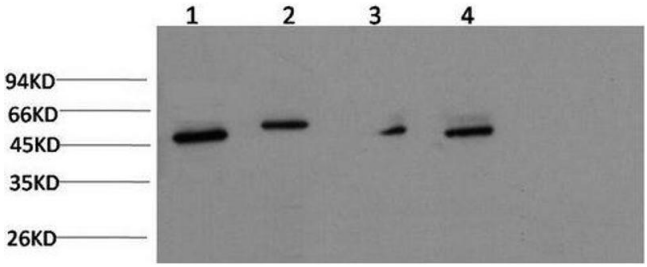
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 0.5 % BSA and 50 % glycerol, pH 7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



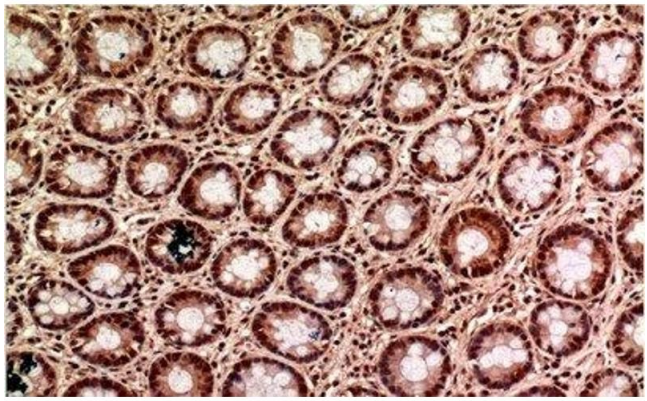
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human breast carcinoma tissue using gamma Tubulin Monoclonal Antibody at dilution of 1:200.



Western Blotting

Image 2. Western Blot analysis of Jurkat, Hela, Mouse brain, Rat brain using gamma Tubulin Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Human colon carcinoma tissue using gamma Tubulin Monoclonal Antibody at dilution of 1:200.