

# Immunotag™ Tubulin γ Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT4781
Product Description	Immunotag™ Tubulin γ Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Tubulin γ
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from Tubulin γ, at AA range: 360-440
Specificity	Tubulin γ Polyclonal Antibody detects endogenous levels of Tubulin γ protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	TUBG1
Accession No.	P23258 P83887 P83888
Alternate Names	TUBG1; TUBG; Tubulin gamma-1 chain; Gamma-1-tubulin; Gamma-tubulin complex component 1; GCP-1

## Antibody Specification

Description	tubulin gamma 1(TUBG1) Homo sapiens 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, Jan 2009],
Cell Pathway/ Category	Protein_Acetylation
Protein Expression	Mammary cancer,Skin,
Subcellular Localization	pericentriolar material,condensed nuclear chromosome,gamma-tubulin complex,cytoplasm,centrosome,centriole,polar microtubule,cytosol,microtubule,cytoplasmic microtubule,cell leading edge,nonmotile primary cilium,ciliary basal
Protein Function	function:Tubulin is the major constituent of microtubules. Gamma tubulin is found at microtubule organizing centers (MTOC) such as the spindle poles or the centrosome, suggesting that it is involved in the minus-end nucleation of microtubule assembly.,mass spectrometry: PubMed:11840567,similarity:Belongs to the tubulin family.,subunit:Interacts with GCP2 and GCP3. Interacts with B9D2.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.