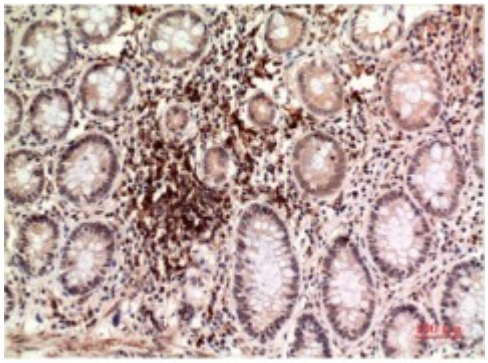
Anti-Epsilon Tubulin antibody



Description	Epsilon tubulin is a protein encoded by the TUBE1 gene which is approximately 52,9 kDa. Epsilon tubulin is localised to the cytoplasm and cytoskeleton. It is involved in Sertoli-Sertoli cell junction dynamics, the PAK pathway, G-beta gamma signalling and ERK signalling. This protein falls under the tubulin superfamily. It localizes to the centriolar sub-distal appendages that are associated with the older centriole after centrosome duplication and plays a central role in organization of the microtubules during centriole duplication. Epsilon tubulin is expressed in the cells of the nervous system. Mutations in the TUBE1 gene may result in chronic frontal sinusitis. STJ97751 was developed from clone 3G1 and was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. This primary antibody detects endogenous levels of epsilon tubulin.

Model	STJ97751
Host	Mouse
Reactivity	Human, Mouse, Rat
Applications	IHC
Immunogen	synthetic peptide derived from Epsilon Tubulin
Gene ID	51175
Gene Symbol	TUBE1
Dilution range	IHC 1:100-200
Specificity	Epsilon Tubulin Mouse Monoclonal Antibody (3G1) detects endogenous levels of Epsilon Tubulin

Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Clone ID	3G1
Note	For Research Use Only (RUO).
Protein Name	Tubulin epsilon chain Epsilon-tubulin
Clonality	Monoclonal
Conjugation	Unconjugated
Isotype	IgG1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:20775OMIM:607345
Alternative Names	Tubulin epsilon chain Epsilon-tubulin
Cellular Localization	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Associated with pericentriolar material.