Best Tools for immunology Research

Tubulin α-3C/D/E Polyclonal Antibody

Catalog No :	YT4779
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	Tubulin α-3C/D/E
Gene Name :	TUBA3C/D/TUBA3E
Protein Name :	Tubulin alpha-3C/D chain/Tubulin alpha-3E chain
Human Gene Id :	113457/7278/112714
Human Swiss Prot No :	Q13748/Q6PEY2
Immunogen :	The antiserum was produced against synthesized peptide derived from human TUBA3C/E. AA range:201-250
Specificity :	Tubulin α-3C/D/E Polyclonal Antibody detects endogenous levels of Tubulin α-3C/D/E protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:5000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	50kD
Cell Pathway :	Gap junction;Pathogenic Escherichia coli infection;

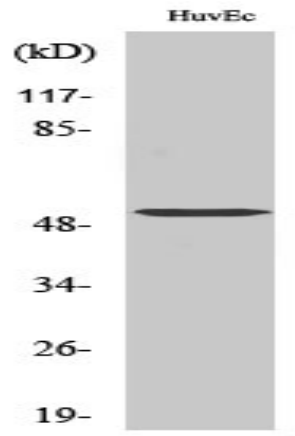
Background : Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are composed of a heterodimer of alpha and beta tubulin. The genes encoding these microtubule constituents are part of the tubulin superfamily, which is composed of six distinct families. Genes from the alpha, beta and gamma tubulin families are found in all eukaryotes. The alpha and beta tubulins represent the major components of microtubules, while gamma tubulin plays a critical role in the nucleation of microtubule assembly. There are multiple alpha and beta tubulin genes and they are highly conserved among and between species. This gene is an alpha tubulin gene that encodes a protein 99% identical to the mouse testis-specific Tuba3 and Tuba7 gene products. This gene is located in the 13q11 region, which is associated with the genetic diseases Clouston hidrotic ectodermal dysplasia and Kabuki syndrome. [provid

Function : function:Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha-chain.,online information:Tubulin entry,PTM:Undergoes a tyrosination/detyrosination cycle, the cyclic removal and re-addition of a C-terminal tyrosine residue by the enzymes tubulin tyrosine carboxypeptidase (TTCP) and tubulin tyrosine ligase (TTL), respectively.,similarity:Belongs to the tubulin family.,subunit:Dimer of alpha and beta chains.,tissue specificity:Testis specific.,

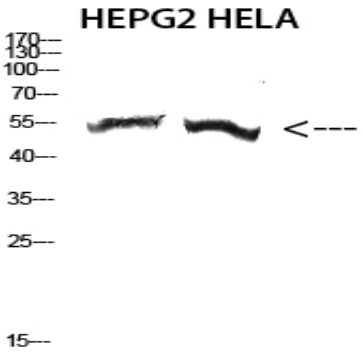
Subcellular Location : nucleus,cytoplasm,microtubule,

Expression : Epithelium,Skin,Testis,

Products Images



Western Blot analysis of various cells using Tubulin α-3C/D/E Polyclonal Antibody diluted at 1:2000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western Blot analysis of HEPG2 HELA cells using Antibody diluted at 2000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000