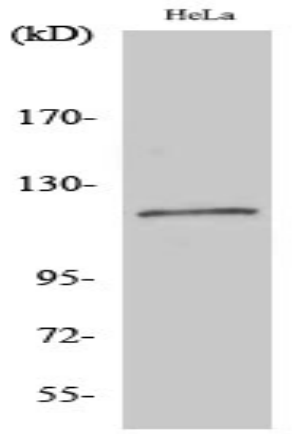
Best Tools for immunology Research

BubR1 Polyclonal Antibody

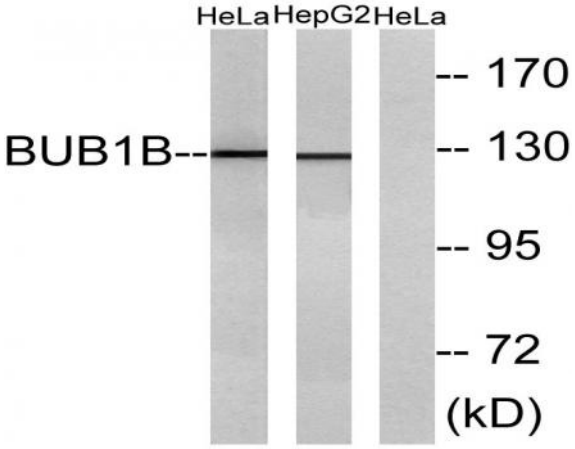
Catalog No :	YT0549
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	BubR1
Fields :	>>Cell cycle;>>Human T-cell leukemia virus 1 infection
Gene Name :	BUB1B
Protein Name :	Mitotic checkpoint serine/threonine-protein kinase BUB1 beta
Human Gene Id :	701
Human Swiss Prot No :	O60566
Mouse Gene Id :	12236
Mouse Swiss Prot No :	Q9Z1S0
Immunogen :	The antiserum was produced against synthesized peptide derived from human BUB1B. AA range:341-390
Specificity :	BubR1 Polyclonal Antibody detects endogenous levels of BubR1 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: 1:20000. 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 :	130kD
Cell Pathway :	Cell_Cycle_G1S;Cell_Cycle_G2M_DNA;
Background :	This gene encodes a kinase involved in spindle checkpoint function. The protein has been localized to the kinetochore and plays a role in the inhibition of the anaphase-promoting complex/cyclosome (APC/C), delaying the onset of anaphase and ensuring proper chromosome segregation. Impaired spindle checkpoint function has been found in many forms of cancer. [provided by RefSeq, Jul 2008],
Function :	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,disease:Defects in BUB1B are associated with tumor formation.,disease:Defects in BUB1B are the cause of mosaic variegated aneuploidy syndrome (MVA) [MIM:257300]. MVA is a severe autosomal recessive developmental disorder characterized by mosaic aneuploidies, predominantly trisomies and monosomies, involving multiple different chromosomes and tissues. The proportion of aneuploid cells varies but is usually more than 25% and is substantially greater than in normal individuals. Affected individuals typically present with severe intrauterine growth retardation and microcephaly. Eye anomalies, mild dysmorphism, variable developmental delay, and a broad spectrum of additional congenital abnormalities and medical conditions may also occur. The risk of malignancy is high, with rhabdomyosarcoma, Wilms tumor and leukemia reported in seve
Subcellular Location :	Cytoplasm. Nucleus. Chromosome, centromere, kinetochore. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasmic in interphase cells. Associates with the kinetochores in early prophase. Kinetochore localization requires BUB1, PLK1 and KNL1.
Expression :	Highly expressed in thymus followed by spleen. Preferentially expressed in tissues with a high mitotic index.

Products Images



Western Blot analysis of various cells using BubR1 Polyclonal Antibody



Western blot analysis of lysates from HeLa and HepG2 cells, treated with H2O2 100uM 30', using BUB1B Antibody. The lane on the right is blocked with the synthesized peptide.