

## CKAP2 rabbit pAb

Catalog No :	YN3976
Reactivity :	Human;Mouse
Applications :	WB
Target :	CKAP2
Gene Name :	CKAP2 LB1 TMAP
Protein Name :	CKAP2
Human Gene Id :	26586
Human Swiss Prot No :	Q8WWK9
Mouse Gene Id :	80986
Mouse Swiss Prot No :	Q3V1H1
Immunogen :	Synthesized peptide derived from human CKAP2 AA range: 298-348
Specificity :	This antibody detects endogenous levels of CKAP2 at Human/Mouse
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000
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)

**Molecularweight :** 75kD

## Background :

This gene encodes a cytoskeleton-associated protein that stabilizes microtubules and plays a role in the regulation of cell division. The encoded protein is itself regulated through phosphorylation at multiple serine and threonine residues. There is a pseudogene of this gene on chromosome 14. Alternative splicing results in multiple transcript variations. [provided by RefSeq, Nov 2013],

## Function :

developmental stage:Present at the G1/S boundary. Accumulates as cells progress from S to G2 into mitosis. Rapidly degraded during mitosis exit by CDH1-activated anaphase promoting complex/cyclosome (APC/C).,function:Possesses microtubule stabilizing properties. Involved in regulating aneuploidy, cell cycling, and cell death in a p53/TP53-dependent manner.,induction:Up-regulated in primary human gastric cancers.,sequence caution:Contaminating sequence. Potential poly-A sequence.,similarity:Belongs to the CKAP2 family.,subcellular location:Contrary to the ectopically expressed protein, endogenous CKAP2 does not colocalize with microtubules in G1, S and early G2. At late G2 and prophase after separation of duplicated centrosomes, colocalizes with gamma-tubulin and centrosome-proximal microtubules. From prometaphase through anaphase B, colocalizes with mitotic spindle poles and spindle micr

## Subcellular Location :

Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, spindle. Cytoplasm, cytoskeleton, spindle pole. Contrary to the ectopically expressed protein, endogenous CKAP2 does not colocalize with microtubules in G1, S and early G2. At late G2 and prophase after separation of duplicated centrosomes, colocalizes with gamma-tubulin and centrosome-proximal microtubules. From prometaphase through anaphase B, colocalizes with mitotic spindle poles and spindle microtubules. During cytokinesis, absent from midbody microtubules.

## Expression :

Abundant in testis, thymus, and in tumor derived cell lines, while barely detectable in liver, prostate, and kidney.

## Products Images

