

### **CKAP2** rabbit pAb

Catalog No: YN3976

**Reactivity:** Human; Mouse

**Applications:** WB

Target: CKAP2

Gene Name: CKAP2 LB1 TMAP

Q8WWK9

Q3V1H1

Protein Name: CKAP2

Human Gene Id: 26586

**Human Swiss Prot** 

No:

Mouse Gene Id: 80986

**Mouse Swiss Prot** 

No:

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)

1/2

Molecularweight: 7

75kD

### **Background:**

This gene encodes a cytoskeleton-associated protein that stabalizes 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

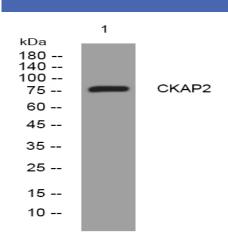
# Subcellular Location:

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**



Western blot analysis of lysates from VEC cells, primary antibody was diluted at 1:1000,  $4^{\circ}$  over night