

## **CKAP2 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58743

## **Product Information**

**Application** WB, IHC-P, IHC-F, IF, E

Primary Accession
Reactivity
Rat
Host
Clonality
Calculated MW
Physical State

Q8WWK9
Rat
Rabbit
Polyclonal
Polyclonal

Immunogen KLH conjugated synthetic peptide derived from human CKAP2

Epitope Specificity 401-500/683

**Isotype** IgG

**Purity** affinity purified by Protein A

**Buffer** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

**SUBCELLULAR LOCATION** Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton,

spindle. Cytoplasm, cytoskeleton, spindle pole.

**SIMILARITY** Belongs to the CKAP2 family.

**SUBUNIT** Associates with alpha- and beta-tubulins

**Important Note** This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

**Background Descriptions** Possesses microtubule stabilizing properties. Involved in regulating

aneuploidy, cell cycling, and cell death in a p53/TP53-dependent manner. Tissue specificity: Abundant in testis, thymus, and in tumor derived cell lines,

while barely detectable in liver, prostate, and kidney.

## **Additional Information**

**Gene ID** 26586

Other Names Cytoskeleton-associated protein 2, CTCL tumor antigen se20-10, Tumor- and

microtubule-associated protein, CKAP2 (HGNC:1990)

**Target/Specificity** Abundant in testis, thymus, and in tumor derived cell lines, while barely

detectable in liver, prostate, and kidney.

**Dilution** WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000

-10000

**Storage** Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

## **Protein Information**

Name CKAP2 ( HGNC:1990)

**Function** Possesses microtubule stabilizing properties. Involved in regulating

aneuploidy, cell cycling, and cell death in a p53/TP53- dependent manner (By

similarity).

**Cellular Location** Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, spindle. Cytoplasm,

cytoskeleton, spindle pole. Note=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

**Tissue Location** Abundant in testis, thymus, and in tumor derived cell lines, while barely

detectable in liver, prostate, and kidney

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.