

CKAP2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58743

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q8WWK9
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	76987
Physical State	Liquid
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
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
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'.