

CKAP4 Rabbit pAb

Catalog # AP98779

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q07065
Other Accession	Q07065
Reactivity	Rat, Human
Predicted	Pig, Mouse, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	66022
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CKAP4
Epitope Specificity	525-602/602
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Post-translational modifications	Reversibly palmitoylated. Palmitoylation at Cys-100 by DHHC2 is required for its trafficking from the ER to the plasma membrane and for its perinuclear localization. Increased phosphorylation during mitosis prevents binding to microtubules.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	CKAP4 is a substrate of DHHC2, a putative tumor suppressor. CK MNF116 and CKAP4 were useful in identifying squamous cell carcinomas with single cell infiltration. These results suggest a role for CKAP4 in tumor.

Additional Information

Gene ID	10970
Other Names	CLIMP-63; CLIMP63; ERGIC-63; p63; 5630400A09Rik; CKAP4_HUMAN; CKAP4; 63-kDa cytoskeleton-linking membrane protein (Climp-63 p63); CKAP4_MOUSE; cytoskeleton associated protein 4; cytoskeleton-associated protein 4
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=1ug/Test
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	CKAP4
Function	Mediates the anchoring of the endoplasmic reticulum to microtubules.
Cellular Location	Endoplasmic reticulum membrane; Single-pass type II membrane protein. Cell membrane; Single-pass type II membrane protein Cytoplasm, cytoskeleton. Cytoplasm, perinuclear region Note=Translocates to the perinuclear region upon APF-stimulation

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