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FAM64A Rabbit pAb

Catalog # AP96183

Product Information

Application	WB
Primary Accession	Q9BSJ6
Other Accession	Q9BSJ6
Reactivity	Mouse
Predicted	Rat, Pig, Human, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27480
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RCS1/FAM64A
Epitope Specificity	151-248/248
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	Nucleus
SUBUNIT	Isoform 1 and isoform 2 interact with PICALM; this interaction may target PICALM to the nucleus (PubMed:16491119). During mitosis, associates with HDAC2 and MTA2 subunits of the chromatin-remodeling NuRD complex; this association is strongest at prometaphase and decreases as the cell progresses through metaphase and anaphase (PubMed:18757745).
Post-translational modifications	Ubiquitinated by the anaphase-promoting complex/cyclosome (APC/C) complex in the presence of FZR1, leading to its degradation by the proteasome during mitotic exit. However, degradation is not essential for normal mitotic progression within a single cell cycle.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	PIMREG (PICALM Interacting Mitotic Regulator) is a Protein Coding gene. Diseases associated with PIMREG include Suppurative Periapical Periodontitis.

Additional Information

Gene ID	54478
Other Names	CATS; FAM64A; RCS1; PIMRE_HUMAN; PIMREG; CALM-interactor expressed in thymus and spleen; PICALM-interacting mitotic regulator; Regulator of chromosome segregation protein 1; PICALM interacting mitotic regulator; family with sequence similarity 64, member A; family with sequence similarity 64 member A; CALM interacting protein expressed in thymus and spleen
Target/Specificity	Expressed in thymus (at protein level). Detected in spleen, colon, ovary and small intestines.
Dilution	WB=1:500-2000

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	PIMREG (HGNC:25483)
Function	During mitosis, may play a role in the control of metaphase- to-anaphase transition.
Cellular Location	Nucleus. Nucleus, nucleolus. Note=Partially localizes to the nucleolus.
Tissue Location	Expressed in thymus (at protein level). Detected in spleen, colon, ovary and small intestines

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