10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

RMD2 Rabbit pAb

Catalog # AP97646

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q96LZ7
Other Accession	Q96LZ7
Predicted	Rat, Pig, Human, Mouse, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47399
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FAM82A1
Epitope Specificity	301-410/410
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the FAM82/RMD family.
SUBUNIT	Interacts with microtubules.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The second largest human chromosome, 2 consists of 237 million bases encoding over 1,400 genes and making up approximately 8% of the human genome. A number of genetic diseases are linked to genes on chromosome 2. Harlequin icthyosis, a rare and morbid skin deformity, is associated with mutations in the ABCA12 gene. The lipid metabolic disorder sitosterolemia is associated with ABCG5 and ABCG8. An extremely rare recessive genetic disorder, Alstr鰉 syndrome is due to mutations in the ALMS1 gene. Interestingly, chromosome 2 contains what appears to be a vestigial second centromere and vestigial telomeres which gives credence to the hypothesis that human chromosome 2 is the result of an ancient fusion of two ancestral chromosomes seen in modern form today in apes. The FAM82A gene product has been provisionally designated FAM82A pending further characterization.

Additional Information

Gene ID	151393
Other Names	BLOCK18; FAM82A; FAM82A1; PRO34163; PYST9371; RMD-2; RMD2; RMD4; RMD2_HUMAN; RMDN2; hRMD-2; Protein FAM82A1; regulator of microtubule dynamics 2; family with sequence similarity 82, member A1
Dilution	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	RMDN2
Synonyms	FAM82A, FAM82A1
Cellular Location	Membrane; Single-pass membrane protein. Cytoplasm Cytoplasm, cytoskeleton, spindle Cytoplasm, cytoskeleton, spindle pole Note=In interphase localizes in the cytoplasm, and during mitosis localizes to the spindle microtubules and spindle poles. Also detected as large dots in the perinuclear region

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