

FAM82A1 Antibody

Catalog # ASC11109

Product Information

Application	WB, IF, ICC, E
Primary Accession	Q96LZ7
Other Accession	NP_653314 , 283046686
Reactivity	Human, Mouse, Rat
Host	Chicken
Clonality	Polyclonal
Isotype	IgY
Calculated MW	47399
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	FAM82A1 antibody can be used for detection of FAM82A1 by Western blot at 1 - 2 μ g/mL. Antibody can also be used for immunocytochemistry starting at 5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Additional Information

Gene ID	151393
Other Names	Regulator of microtubule dynamics protein 2, RMD-2, hRMD-2, Protein FAM82A1, RMDN2, FAM82A, FAM82A1
Target/Specificity	FAM82A1;
Reconstitution & Storage	FAM82A1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	FAM82A1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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

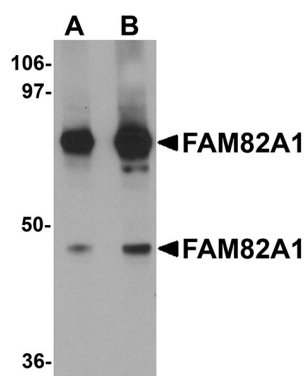
Background

FAM82A1 Antibody: The human protein FAM82A1, also known as regulator of microtubule dynamics 2 (RMD2), was one of three proteins identified as related to a family of microtubule-associated proteins in *C. elegans*. FAM82A1 contains multiple coiled-coil domains and localizes to the spindle microtubules and spindle poles during cell division. During interphase, RMD2 localizes to the cytoplasm with protein observed in the microtubule lattice and perinuclear region.

References

Oishi K, Okanu H, and Sawa H. RMD-1, a novel microtubule-associated protein, functions in chromosome segregation in *Caenorhabditis elegans*. *J. Cell Biol.* 2007; 179:1149-62.

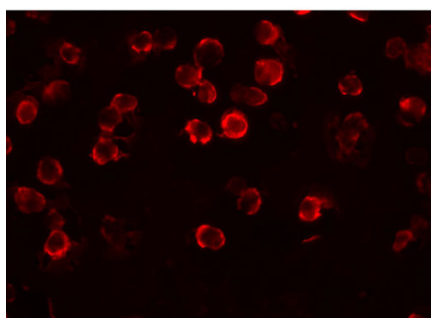
Images



Western blot analysis of FAM82A1 in K562 cell lysate with FAM82A1 antibody at (A) 1 and (B) 2 $\mu\text{g/mL}$.



Immunocytochemistry of FAM82A1 in Jurkat cells with ENC-2 antibody at 5 $\mu\text{g/mL}$.



Immunofluorescence of FAM82A1 in K562 cells with FAM82A1 antibody at 20 $\mu\text{g/mL}$.

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