

Rabbit Anti-FAM82A1/Cy5 Conjugated antibody

SL8312R-Cy5

Product Name	Anti-FAM82A1/Cy5
Chinese Name	Cy5 标记的微管动力调节蛋白 FAM82A 抗体
Alias	BLOCK18; FAM82A; Fam82a1; Family with sequence similarity 82 member A; Family with sequence similarity 82, member A1; hRMD 2; hRMD 4; hRMD-2; hRMD4; MGC33318; Microtubule associated protein; Protein FAM82A1; Regulator of microtubule dynamics; Regulator of microtubule dynamics protein 2; RMD 2; RMD-2; RMD2; RMD2_HUMAN.
Research Area	Cell biology immunology Signal transduction
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Dog,Pig,Horse)
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	47kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human FAM82A1
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 癆 for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20 癆. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 癆.
Product Detail	background: 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 ichthyosis, 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 鯉 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.

Subunit:

Interacts with microtubules.

Subcellular Location:

Membrane; Single-pass membrane protein (Potential). 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.

Similarity:

Belongs to the FAM82/RMD family.

Database links:

[Entrez Gene: 151393](#) Human

[Omid: 611872](#) Human

[SwissProt: Q96LZ7](#) Human

[Unigene: 591566](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.