SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-FAM82A1/Cy3 Conjugated antibody

Catalog Number: SL8312R-Cy3

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-FAM82A1/Cy3
Immunogen:	KLH conjugated synthetic peptide derived from human FAM82A1
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 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°C. 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°C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Dog,Pig,Horse)
Background:	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 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 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,

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	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 Omim: 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.