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[Marker Primary Antibody]

Rabbit Anti-FRMD7/Cy3 Conjugated antibody

Catalog Number: SL8239R-Cy3

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-FRMD7/Cy3
Immunogen:	KLH conjugated synthetic peptide derived from human FRMD7
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C 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,Cow,Horse)
Background:	background: Mutations in this gene are associated with X-linked congenital nystagmus. [provided by RefSeq, Dec 2008] **Function:** Plays a role in neurite development (By similarity). May play a specific role in the control of eye movement and gaze stability. **Subcellular Location:** Cell projection. Cell projection, growth cone. Note=In undifferentiated neurons, located in the actin-rich regions of the cell body. In differentiated neurons, located in the actin-rich regions of the cell body and primary neurite processes but is almost absent from secondary extensions arising from the primary neurite. Also found at the actin-rich distal end of growth cones. **Tissue Specificity:** Expressed in liver, kidney, pancreas and at low levels in brain and heart. Expressed in embryonic brain and developing neural retina. DISEASE: Defects in FRMD7 are the cause of nystagmus congenital X-linked type 1 (NYS1) [MIM:310700]. NYS1 is a condition defined as conjugated, spontaneous and involuntary ocular oscillations that appear at birth or during

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	the first three months of life. Other associated features may include mildly decreased visual acuity, strabismus, astigmatism, and occasionally head nodding. **Similarity:** Contains 1 FERM domain. **Database links:** **Entrez Gene:** 90167 Human Omim: 300628 Human **SwissProt:** Q6ZUT3 Human **Unigene:** 170776 Human Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.