

Rabbit Anti-FRMD7/Cy5 Conjugated antibody

SL8239R-Cy5

Product Name	Anti-FRMD7/Cy5
Chinese Name	Cy5 标记的 FRMD7 蛋白抗体
Alias	FERM domain-containing protein 7; FRMD7; FRMD7_HUMAN.
Research Area	Cell biology immunology Neurobiology
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	82kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human FRMD7
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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.
Storage	background: Mutations in this gene are associated with X-linked congenital nystagmus. [provided by RefSeq, Dec 2008]
Product Detail	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 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

[Omir: 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.