

FRMD7 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58937**Specification**

FRMD7 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q6ZUT3
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	82 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FRMD7
Epitope Specificity	551-660/714
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
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. Contains 1 FERM domain.
SIMILARITY	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.
DISEASE	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Important Note	

Background Descriptions

Mutations in this gene are associated with X-linked congenital nystagmus. [provided by RefSeq, Dec 2008]

FRMD7 Polyclonal Antibody - Additional Information

Gene ID 90167

Other Names

FERM domain-containing protein 7, FRMD7

Target/Specificity

Expressed in liver, kidney, pancreas and at low levels in brain and heart. Expressed in embryonic brain and developing neural retina.

Dilution

IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200
E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

FRMD7 Polyclonal Antibody - Protein Information

Name FRMD7

Function

Plays a role in neurite development, may be through the activation of the GTPase RAC1. Plays a role in the control of eye movement and gaze stability.

Cellular Location

Cell projection, neuron projection {ECO:0000250|UniProtKB:A2AD83}. Cell projection, growth cone {ECO:0000250|UniProtKB:A2AD83}. 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 (By similarity). {ECO:0000250|UniProtKB:A2AD83}

Tissue Location

Expressed in liver, kidney, pancreas and at low levels in brain and heart. Expressed in embryonic brain and developing neural retina.

FRMD7 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FRMD7 Polyclonal Antibody - Images