

**FAM73B Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP56064****Specification****FAM73B Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC
Primary Accession	<a href="#">Q7L4E1</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	65 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FAM73B
Epitope Specificity	51-150/593
Isotype	IgG
<b>Purity</b>	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane.
SIMILARITY	Belongs to the FAM73 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Background Descriptions**

Chromosome 9 consists of about 145 million bases and 4% of the human genome and encodes nearly 900 genes. Considered to play a role in gender determination, deletion of the distal portion of 9p can lead to development of male to female sex reversal, the phenotype of a female with a male X,Y genotype. Hereditary hemorrhagic telangiectasia, which is characterized by harmful vascular defects, is associated with the chromosome 9 gene encoding endoglin protein, ENG. Familial dysautonomia is also associated with chromosome 9 though through the gene IKBKAP. Notably, chromosome 9 encompasses the largest interferon family gene cluster. Chromosome 9 is partnered with chromosome 22 in the translocation leading to the aberrant production of BCR-ABL fusion protein often found in leukemias. The FAM73B gene product has been provisionally designated FAM73B pending further characterization.

**FAM73B Polyclonal Antibody - Additional Information****Gene ID** 84895**Other Names**

Mitoguardin 2, Protein FAM73B, MIGA2 {ECO:0000303|PubMed:26711011, ECO:0000312|HGNC:HGNC:23621}

**Dilution**

&lt;span class = "dilution\_WB"&gt;WB~~1:1000&lt;/span&gt;&lt;br \&gt;&lt;span class

=>IHC-P~N/A</span><br \><span class  
=>IHC-F~N/A</span><br \><span class  
=>IF~1:50~200</span><br \><span class =>ICC~N/A</span>

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**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.

**FAM73B Polyclonal Antibody - Protein Information**

**Name** MIGA2 {ECO:0000303|PubMed:26711011, ECO:0000312|HGNC:HGNC:23621}

**Function**

Regulator of mitochondrial fusion: acts by forming homo- and heterodimers at the mitochondrial outer membrane and facilitating the formation of PLD6/MitoPLD dimers. May act by regulating phospholipid metabolism via PLD6/MitoPLD.

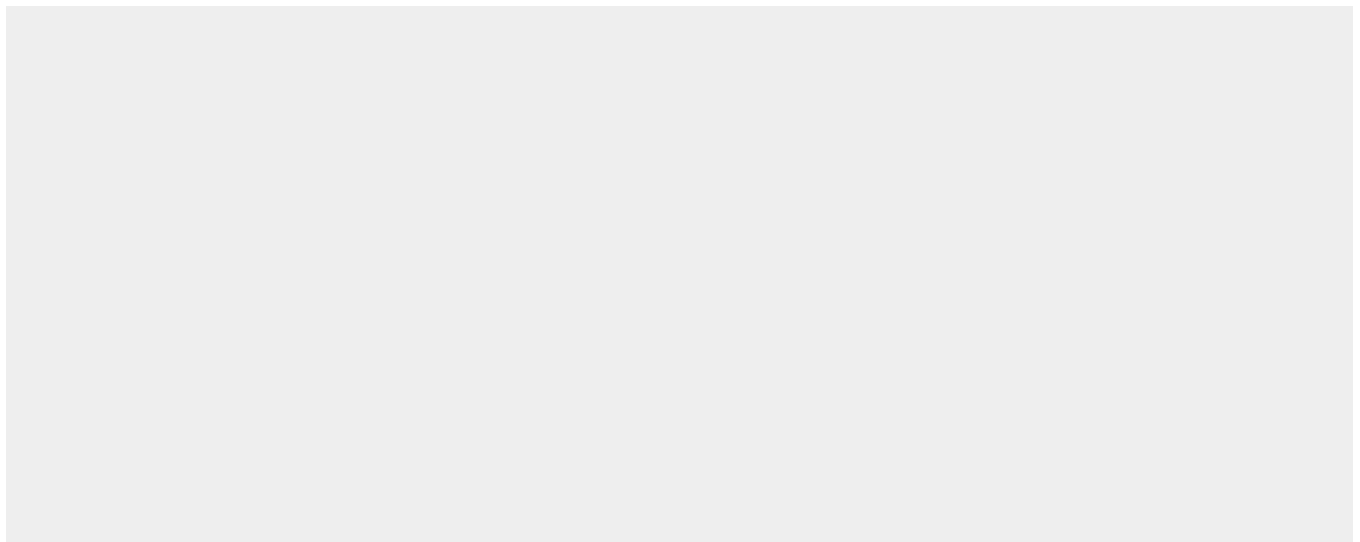
**Cellular Location**

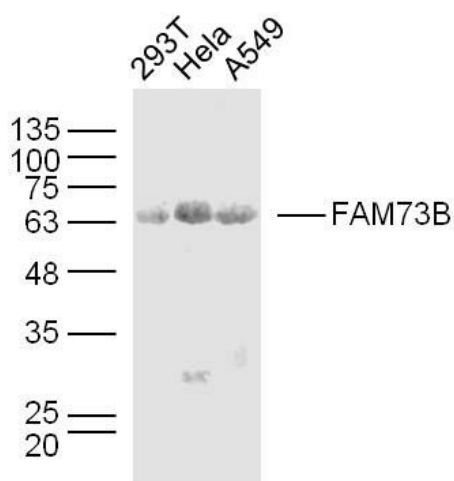
Mitochondrion outer membrane; Multi-pass membrane protein

**FAM73B 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](#)

**FAM73B Polyclonal Antibody - Images**



Protein:

293T(human) lysate at 40ug;

HeLa(human) lysate at 40ug;

A549(human) lysate at 40ug;

Primary: rabbit Anti-FAM73B (bs-16011R) at 1:300;

Secondary: HRP conjugated Goat-Anti-rabbit IgG(bs-0295G-HRP) at 1: 5000;

Predicted band size: 65 kD

Observed band size: 65 kD