

FAM57B Rabbit pAb

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Catalog # AP56059

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q71RH2
Predicted	Rat, Pig, Human, Mouse, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30629
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FAM57B
Epitope Specificity	21-120/559
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	Membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Chromosome 16 encodes over 900 genes in approximately 90 million base pairs, makes up nearly 3% of human cellular DNA and is associated with a variety of genetic disorders. The GAN gene is located on chromosome 16 and, with mutation, may lead to giant axonal neuropathy, a nervous system disorder characterized by increasing malfunction with growth. The rare disorder Rubinstein-Taybi syndrome is also associated with chromosome 16, though through the CREBBP gene which encodes a critical CREB binding protein. Signs of Rubinstein-Taybi include mental retardation and predisposition to tumor growth and white blood cell neoplasias. Crohn's disease is a gastrointestinal inflammatory condition associated with chromosome 16 through the NOD2 gene. An association with systemic lupus erythematosus and a number of other autoimmune disorders with the pericentromeric region of chromosome 16 has led to the identification of SLC5A11 as a potential autoimmune modifier. The FAM57B gene product has been provisionally designated FAM57B pending further characterization.

Additional Information

Gene ID	83723
Other Names	Ceramide synthase, TLCD3B (HGNC:25295), FAM57B
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500
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.

Protein Information

Name	TLCD3B (HGNC:25295)
Synonyms	FAM57B
Function	Involved in ceramide synthesis.
Cellular Location	[Isoform 1]: Golgi apparatus membrane {ECO:0000250 UniProtKB:Q7TNV1}; Multi-pass membrane protein
Tissue Location	Expressed in testis (PubMed:33077892). Expressed in the retina with higher expression levels in the macular than in the peripheral region (PubMed:33077892).

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.