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FITM1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56116

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	A5D6W6
Reactivity	Human, Rat
Predicted	Mouse, Rabbit, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32207
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FITM1
Epitope Specificity	1-100/292
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Endoplasmic reticulum membrane.
SIMILARITY	Belongs to the FIT family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	FIT1 belongs to an evolutionarily conserved family of proteins involved in fat storage (Kadereit et al., 2008 [PubMed 18160536]).[supplied by OMIM, May 2008]

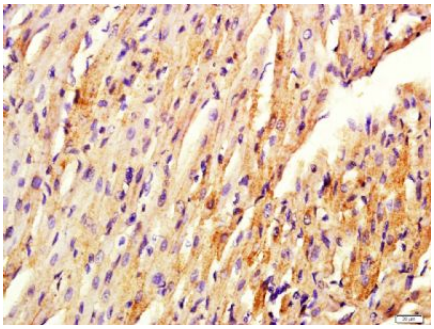
Additional Information

Gene ID	161247
Other Names	Fat storage-inducing transmembrane protein 1 {ECO:0000255|HAMAP-Rule:MF_03229, ECO:0000303|PubMed:18160536}, Fat-inducing protein 1 {ECO:0000255|HAMAP-Rule:MF_03229}, FITM1 {ECO:0000255|HAMAP-Rule:MF_03229, ECO:0000312|HGNC:HGNC:33714}
Target/Specificity	Primarily expressed in heart and skeletal muscle.
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 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.

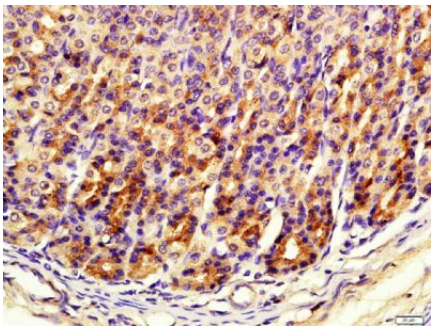
Protein Information

Name	FITM1 {ECO:0000255|HAMAP-Rule:MF_03229, ECO:0000312|HGNC:HGNC:33714}
Function	Plays an important role in the formation of lipid droplets (LDs) which are storage organelles at the center of lipid and energy homeostasis (By similarity) (PubMed:18160536). Directly binds to diacylglycerol (DAGs) and triacylglycerol (By similarity).
Cellular Location	Endoplasmic reticulum membrane {ECO:0000255|HAMAP-Rule:MF_03229, ECO:0000269|PubMed:18160536}; Multi- pass membrane protein {ECO:0000255|HAMAP-Rule:MF_03229}
Tissue Location	Primarily expressed in heart and skeletal muscle.

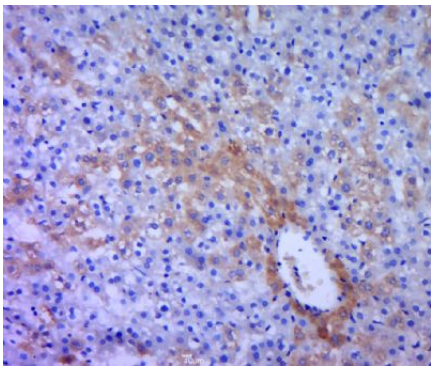
Images



Paraformaldehyde-fixed, paraffin embedded (Rat heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37℃ for 30min; Antibody incubation with (Fat inducing transcript; FITM1) Polyclonal Antibody, Unconjugated (AP56116) at 1:400 overnight at 4℃, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.



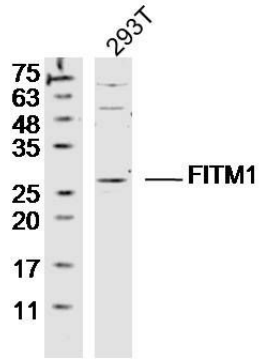
Paraformaldehyde-fixed, paraffin embedded (Rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37 ∑ C for 30min; Antibody incubation with (Fat inducing transcript; FITM1) Polyclonal Antibody, Unconjugated (AP56116) at 1:400 overnight at 4 ∑ C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat liver tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37 ∑ C for 30min; Antibody incubation with (FITM1) Polyclonal Antibody, Unconjugated (AP56116) at 1:400 overnight at 4 ∑ C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

Protein: 293T(human) lysate at 40ug;
Primary: rabbit Anti-FITM1 (AP56116) at 1:300;
Secondary: HRP conjugated Goat-Anti-rabbit IgG(bs-0295G-HRP) at 1: 5000;
Predicted band size: 32 kD

Observed band size: 28 kD



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