SunLong Biotech Co.,LTD
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**[ Primary Antibody ]**

# Rabbit Anti-FITM1 antibody

**Catalog Number: SL16090R**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

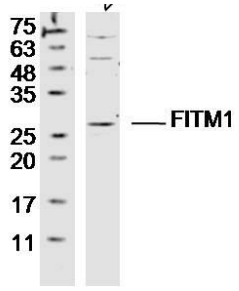
| | |
|---|---|
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | FITM1 |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human FITM1: 1-100/292 |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **Storage:** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | WB=1:500-2000<br>IHC-P=1:100-500<br>IHC-F=1:100-500<br>IF=1:100-500 （Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | Human, Rat, (predicted: Mouse, Dog, Cow, Horse, Rabbit, Sheep) |
| **Predicted MW.:** | 32kDa |
| **Subcellular Location:** | cytoplasmic |
| **Background:** | FIT1 belongs to an evolutionarily conserved family of proteins involved in fat storage (Kadereit et al., 2008 [PubMed 18160536]).[supplied by OMIM, May 2008]<br>**Function:** Plays an important role in lipid droplet accumulation.<br>**Subcellular Location:** Endoplasmic reticulum membrane.<br>**Tissue Specificity:** Primarily expressed in heart and skeletal muscle.<br>**Similarity:** Belongs to the FIT family.<br>**Database links:**<br>**Entrez Gene:** 161247 Human<br>**Entrez Gene:** 68680 Mouse<br>Omim: 612028 Human<br>**SwissProt:** A7YWN2 Cow |

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

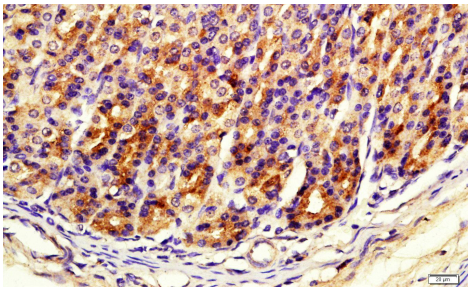
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| | |
|---|---|
| | **SwissProt:** A5D6W6 Human<br>**SwissProt:** Q91V79 Mouse<br>**SwissProt:** B2MVP8 Pig<br>**Unigene:** 128060 Human<br>**Unigene:** 36758 Mouse |

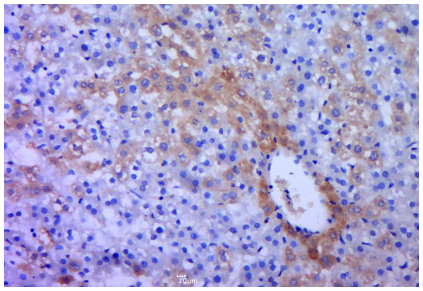
## [ VALIDATION IMAGES ]



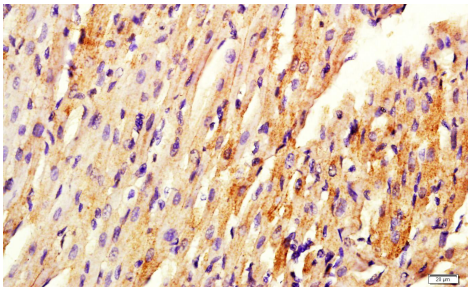

Protein: 293T(human) lysate at 40ug;
Primary: rabbit Anti-FITM1 (SL16090R) at 1:300;
Secondary: HRP conjugated Goat-Anti-rabbit IgG(SL0295G-HRP) at 1: 5000;
Predicted band size: 32 kD
Observed band size: 28 kD



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 (SL16090R) 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 (SL16090R) at 1:400 overnight at 4∑C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



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°C for 30min; Antibody incubation with (Fat inducing transcript; FITM1) Polyclonal Antibody, Unconjugated (SL16090R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.

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