Anti-AGL Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R016134

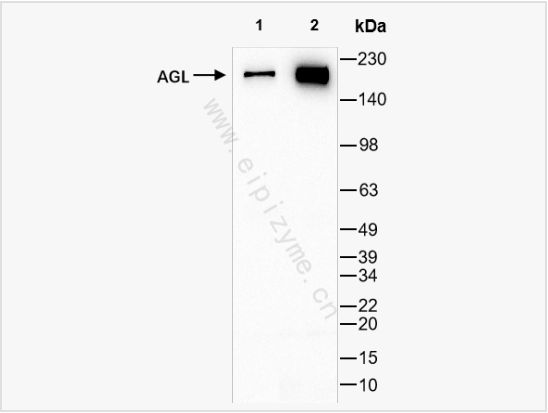
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Mouse, Rat, Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	11R48S69
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human AGL
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-AGL Rabbit mAb [11R48S69] is for research use only and not for use in diagnostic or therapeutic procedures.

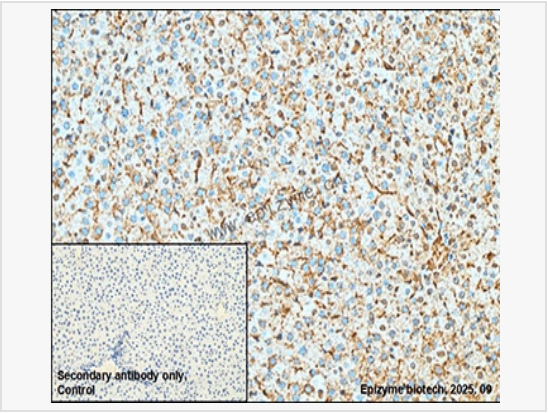
Protein Information

Synonyms	GDE_HUMAN; AGL; Glycogen debrancher; GDE.
Calculated MW	Calculated MW: 175 kDa; Observed MW: 175 kDa
Uniprot ID	P35573
Gene ID	178
Background	This gene encodes the glycogen debrancher enzyme which is involved in glycogen degradation. This enzyme has two independent catalytic activities which occur at different sites on the protein: a 4-alpha-glucotransferase activity and a amylo-1,6-glucosidase activity. Mutations in this gene are associated with glycogen storage disease although a wide range of enzymatic and clinical variability occurs which may be due to tissue-specific alternative splicing. Alternatively spliced transcripts encoding different isoforms have been described. [provided by RefSeq, Jul 2008]
Cellular Location	Cytoplasm Under glycogenolytic conditions localizes to the nucleus.
Tissue Location	Liver, kidney and lymphoblastoid cells express predominantly isoform 1; whereas muscle and heart express not only isoform 1, but also muscle-specific isoform mRNAs (isoforms 2, 3 and 4). Isoforms 5 and 6 are present in both liver and muscle.

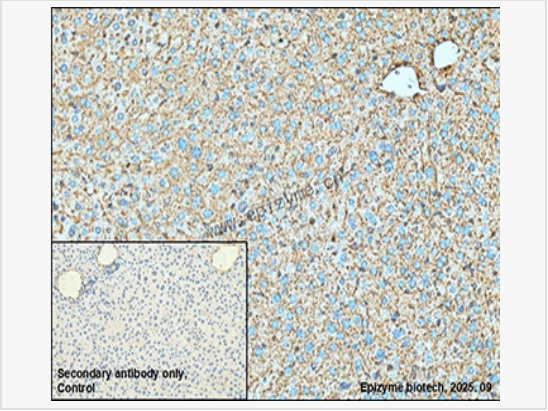
Validation Images



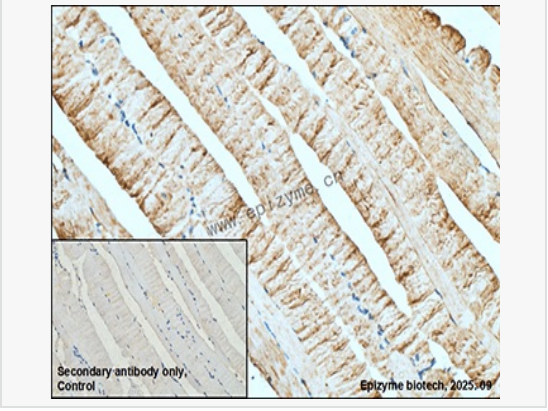
Western Blot - Anti-AGL Rabbit mAb [11R48S69]
All lanes: R016134 at 1:1,000 dilution
Lane 1: Mouse muscle whole tissue lysates
Lane 2: Rat muscle whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 175 kDa
Observed band size: 175 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-AGL Rabbit mAb [11R48S69]
Sample: Paraformaldehyde-fixed, paraffin embedded rat liver tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R016134 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



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Immunohistochemistry - Anti-AGL Rabbit mAb [11R48S69]
Sample: Paraformaldehyde-fixed, paraffin embedded mouse muscle tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R016134 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
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