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Datasheet for ABIN709181
anti-HMGCL antibody (AA 41-140)

Overview

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|----------------------|---|
| Quantity: | 100 µL |
| Target: | HMGCL |
| Binding Specificity: | AA 41-140 |
| Reactivity: | Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This HMGCL antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

| | |
|-----------------------|---|
| Immunogen: | KLH conjugated synthetic peptide derived from human HMGCL |
| Isotype: | IgG |
| Cross-Reactivity: | Mouse |
| Predicted Reactivity: | Human,Rat,Dog,Horse,Chicken,Rabbit |
| Purification: | Purified by Protein A. |

Target Details

| | |
|---------|-------|
| Target: | HMGCL |
|---------|-------|

Target Details

Alternative Name: HMGCL ([HMGCL Products](#))

Background: Synonyms: 3 hydroxy 3 methylglutaryl CoA lyase, 3 hydroxy 3 methylglutaryl Coenzyme A lyase, 3 hydroxymethyl 3 methylglutaryl Coenzyme A lyase hydroxymethylglutaricaciduria, 3 hydroxymethyl 3 methylglutaryl Coenzyme A lyase, 3-hydroxy-3-methylglutarate-CoA lyase, HL, HMG CoA lyase, HMG CoA Lyase Deficiency, HMG-CoA lyase, HMGCL, HMGCL_HUMAN, Hydroxymethylglutaricaciduria, Hydroxymethylglutaryl CoA lyase, Hydroxymethylglutaryl CoA lyase mitochondrial, Hydroxymethylglutaryl-CoA lyase, mitochondrial, MS725, OTTHUMP00000044830.

Background: Hydroxymethylglutaryl-CoA lyase (HMGCL) is found in fibroblasts, liver and lymphoblasts. It has a role in ketogenesis and leucine catabolism. Defects in HMGCL are the cause of 3-hydroxy-3-methylglutaryl-CoA lyase deficiency (hydroxymethylglutaricaciduria), an autosomal recessive disease which can lead to hypoglycemia and coma.

Gene ID: 2835

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Handling

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months