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Datasheet for ABIN5004758

anti-HMGCL antibody (AA 41-140) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	HMGCL
Binding Specificity:	AA 41-140
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HMGCL antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

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
Alternative Name:	HMGCL (HMGCL Products)

Target Details

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: 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: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months