

For Research Use Only

HMGCL Recombinant antibody

Catalog Number: 84769-4-RR



Basic Information

Catalog Number: 84769-4-RR	GenBank Accession Number: BC010570	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 3155	CloneNo.: 242224F9
Source: Rabbit	UNIPROT ID: P35914	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: 3-hydroxymethyl-3-methylglutaryl-Coenzyme A lyase	
Immunogen Catalog Number: AG10426	Calculated MW: 325 aa, 34 kDa	
	Observed MW: 32 kDa	

Applications

Tested Applications:
WB, FC (Intra), ELISA

Species Specificity:
human, mouse, rat

Positive Controls:
WB : mouse liver tissue, rat liver tissue, mouse kidney tissue, rat kidney tissue

Background Information

HMGCL (3-hydroxy-3-methylglutaryl-CoA lyase) is a key enzyme in ketogenesis (ketone body formation). It is a ketogenic enzyme in the liver that catalyzes the formation of acetoacetate from HMG-CoA within the mitochondria. It also plays a prominent role in the catabolism of the amino acid leucine.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

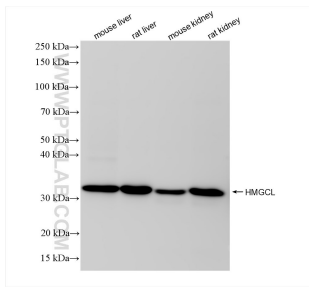
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

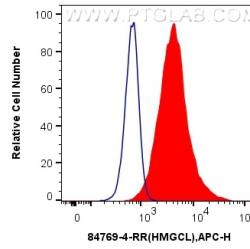
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

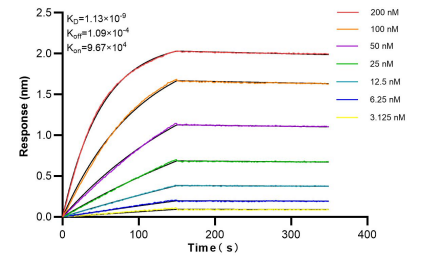
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84769-4-RR (HMGCL antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug HMGCL Recombinant antibody (84769-4-RR, Clone:242224F9) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone:240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Bi-layer interferometry (BLI) kinetic assays of 84769-4-RR against Human HMGCL were performed. The affinity constant is 1.13 nM.