

For Research Use Only

HMGCL Recombinant antibody, PBS Only

Catalog Number: 84769-4-PBS



Basic Information

Catalog Number: 84769-4-PBS	GenBank Accession Number: BC010570	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3155	CloneNo.: 242224F9
Source: Rabbit	UNIPROT ID: P35914	
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), Indirect ELISA

Species Specificity:
human, mouse, rat

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 -80°C.

Storage Buffer:
PBS Only

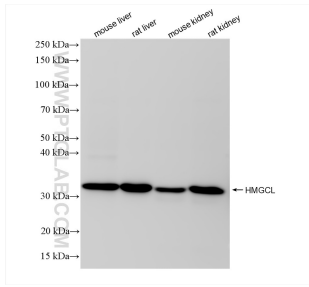
For technical support and original validation data for this product please contact:

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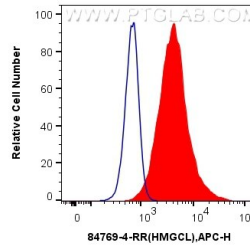
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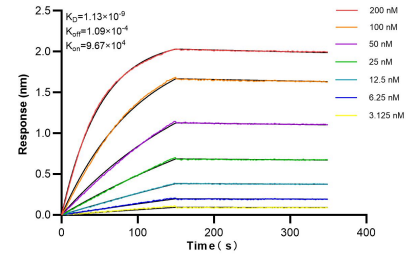
Selected Validation Data



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. This data was developed using the same antibody clone with 84769-4-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84769-4-PBS in a different storage



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