

For Research Use Only

HMGCL Recombinant antibody

Catalog Number: 84769-4-RR



Basic Information

Catalog Number:

84769-4-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10426

GenBank Accession Number:

BC010570

GeneID (NCBI):

3155

UNIPROT ID:

P35914

Full Name:

3-hydroxymethyl-3-methylglutaryl-Coenzyme A lyase

Calculated MW:

325 aa, 34 kDa

Observed MW:

32 kDa

Purification Method:

Protein A purification

CloneNo.:

242224F9

Recommended Dilutions:

WB 1:5000-1:50000

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

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

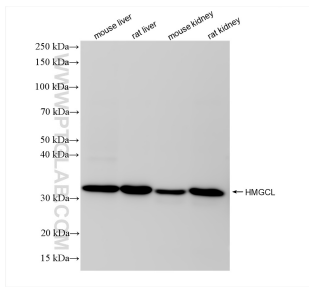
T: 4006900926

E: Proteintech-CN@ptglab.com

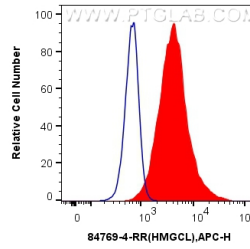
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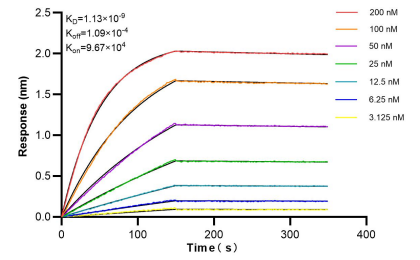
Selected Validation Data



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.



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.