

HMGCL Rabbit mAb

Catalog # AP75555

Product Information

| | |
|-------------------|------------------------|
| Application | WB |
| Primary Accession | P35914 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Monoclonal Antibody |
| Calculated MW | 34360 |

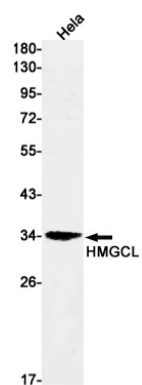
Additional Information

| | |
|-------------|------------------|
| Gene ID | 3155 |
| Other Names | HMGCL |
| Dilution | WB~~1/500-1/1000 |
| Format | Liquid |

Protein Information

| | |
|-------------------|--|
| Name | HMGCL |
| Function | Mitochondrial 3-hydroxy-3-methylglutaryl-CoA lyase that catalyzes a cation-dependent cleavage of (S)-3-hydroxy-3-methylglutaryl-CoA into acetyl-CoA and acetoacetate, a key step in ketogenesis. Terminal step in leucine catabolism. Ketone bodies (beta-hydroxybutyrate, acetoacetate and acetone) are essential as an alternative source of energy to glucose, as lipid precursors and as regulators of metabolism. |
| Cellular Location | Mitochondrion matrix {ECO:0000250 UniProtKB:P38060}. Peroxisome {ECO:0000250 UniProtKB:P38060}. Note=Unprocessed form is peroxisomal {ECO:0000250 UniProtKB:P38060} |
| Tissue Location | Highest expression in liver. Expressed in pancreas, kidney, intestine, testis, fibroblasts and lymphoblasts. Very low expression in brain and skeletal muscle. The relative expression of isoform 2 (at mRNA level) is highest in heart (30%), skeletal muscle (22%), and brain (14%). |

Images



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