

HMGCLL1 Polyclonal antibody

Catalog Number: 17206-1-AP

Basic Information

Catalog Number:

17206-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10985

GenBank Accession Number:

BC024194

GeneID (NCBI):

54511

UNIPROT ID:

Q8TB92

Full Name:

3-hydroxymethyl-3-methylglutaryl-Coenzyme A lyase-like 1

Calculated MW:

340 aa, 36 kDa

Observed MW:

32 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

human

Positive Controls:

WB : SKOV-3 cells,

IHC : human liver cancer tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

HMGCLL1 (3-hydroxymethyl-3-methylglutaryl-CoA lyase-like protein 1), also named as er-ChL, is a close homolog of mitochondrial HMG-CoA lyase (mHL). HMGCLL1 catalyzes a cation-dependent cleavage of (S)-3-hydroxy-3-methylglutaryl-CoA into acetyl-CoA and acetoacetate, which is a key step in ketogenesis (PMID: 22847177, 22865860). HMGCLL1 has some isoforms with the molecular mass of 32-39 kDa and 6 kDa.

Storage

Storage:

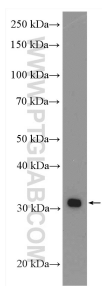
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

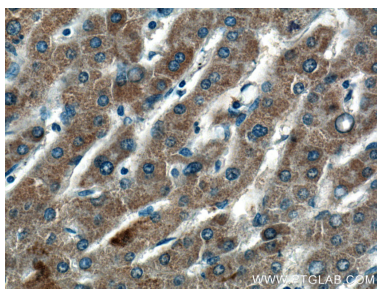
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

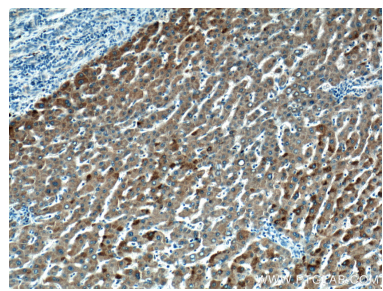
Selected Validation Data



SKOV-3 cells were subjected to SDS PAGE followed by western blot with 17206-1-AP (HMGCLL1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 17206-1-AP (HMGCLL1 antibody) at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 17206-1-AP (HMGCLL1 antibody) at dilution of 1:200 (under 10x lens).