

For Research Use Only

HMGCR Polyclonal antibody

Catalog Number: 13533-1-AP

Featured Product

53 Publications



Basic Information

Catalog Number:

13533-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4444

GenBank Accession Number:

BC033692

GeneID (NCBI):

3156

UNIPROT ID:

P04035

Full Name:

3-hydroxy-3-methylglutaryl-Coenzyme A reductase

Calculated MW:

888 aa, 95 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:500-1:2000

Applications

Tested Applications:

IHC, ELISA

Cited Applications:

IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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

Positive Controls:

IHC : human liver cancer tissue, human small intestine tissue, human heart tissue

Background Information

HMGR(3-hydroxy-3-methylglutaryl-coenzyme A reductase) is also named as HMG-CoA reductase and belongs to the HMG-CoA reductase family. This protein exists as a 97-kDa glycoprotein in the endoplasmic reticulum (ER) and is the rate-determining enzyme of the biosynthesis pathway(PMID:15830340).The ectopic expression of either full-length HMGR or its novel splice variant promotes dysregulation of the MVA pathway. And the ectopic expression of cHMGR-FL(60 kDa) and cHMGR-D13(55 kDa) can be detected in HepG2 cells(PMID:20696928).This protein is also can exist as a oligomer(PMID:20696928).

Notable Publications

Author	Pubmed ID	Journal	Application
Hai-Yan Wang	34588618	Acta Pharmacol Sin	IHC
Wei Xu	32935679	Food Funct	
Liang Wei Wang	31518366	PLoS Pathog	

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

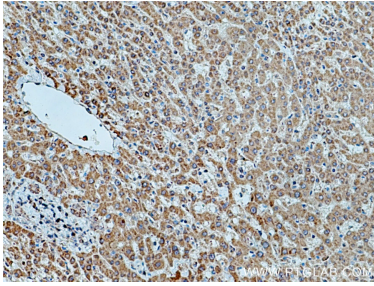
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

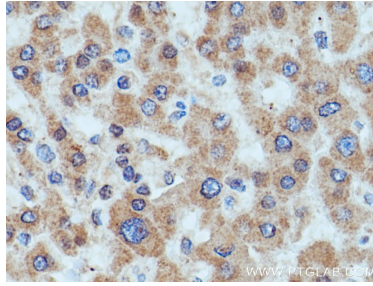
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 13533-1-AP (HMGCR antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 13533-1-AP (HMGCR antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).