

HMGCR (PT1309R) PT™ Rabbit mAb

CatalogNo: YM9151 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, IP, ELISA

MW

- 98kD (Calculated)
- 98kD (Observed)

Isotype

- IgG, Kappa

Recommended Dilution Ratios

IHC 1:100-1:500**WB 1:2000-1:10000****IF 1:200-1:1000****ELISA 1:5000-1:20000****IP 1:50-1:200**

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Basic Information

Clonality Monoclonal**Clone Number** PT1309R

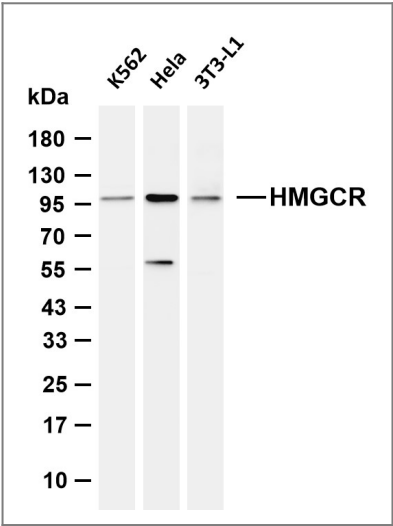
Immunogen Information

Specificity Endogenous

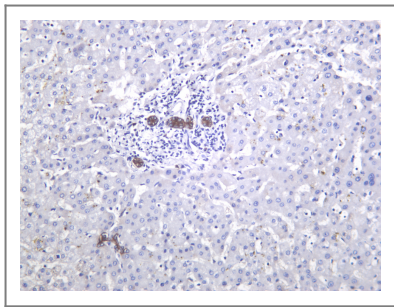
Target Information

Gene name	HMGCR		
Protein Name	3-hydroxy-3-methylglutaryl-coenzyme A reductase (HMG-CoA reductase) (EC 1.1.1.34)		
	Organism	Gene ID	UniProt ID
	Human	3156 ;	P04035 ;
	Mouse	15357 ;	Q01237 ;
	Rat	25675 ;	P51639 ;
Cellular Localization	Endoplasmic reticulum membrane ; Multi-pass membrane protein . Peroxisome membrane ; Multi-pass membrane protein .		
Tissue specificity	[Isoform 1]: Ubiquitously expressed with the highest levels in the cerebellum, fetal brain, testis, skin and adrenal gland. ; [Isoform 2]: Detected in the cerebellum, fetal brain, testis and adrenal gland. ; [Isoform 3]: Low abundance except in skin, esophagus, and uterine cervix.		
Function	Catalyzes the conversion of (3S)-hydroxy-3-methylglutaryl-CoA (HMG-CoA) to mevalonic acid, the rate-limiting step in the synthesis of cholesterol and other isoprenoids, thus plays a critical role in cellular cholesterol homeostasis . HMGCR is the main target of statins, a class of cholesterol-lowering drugs .		

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-HMGCR (PT1309R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: K562 Lane 2: HeLa Lane 3: 3T3-L1 Predicted band size: 98kDa Observed band size: 98kDa



Human liver was stained with anti-HMGCR (PT1309R) Rabbit antibody

| Contact information

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