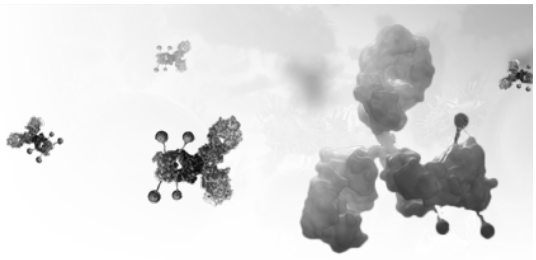

Anti-CH25H monoclonal antibody, clone 2H9 (CABT-21282MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This is an intronless gene that is involved in cholesterol and lipid metabolism. The encoded protein is a membrane protein and contains clusters of histidine residues essential for catalytic activity. Unlike most other sterol hydroxylases, this enzyme is a member of a small family of enzymes that utilize diiron cofactors to catalyze the hydroxylation of hydrophobic substrates. Mouse monoclonal antibody raised against a partial recombinant CH25H.
Immunogen	CH25H (AAH17843, 142 a.a. ~ 247 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	2H9
Conjugate	Unconjugated
Applications	WB,ELISA
Sequence Similarities	WHLLHHKVPWLYRTFHKVHHQNSSSFALATQYMSVWELFSLGFFDMMNVTLLGCHPLTTL TFHVVNIWLSVEDHSGYNFPWSTHRLVPFGWYGGVVHHDLHHSHF
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	CH25H cholesterol 25-hydroxylase [Homo sapiens]
Official Symbol	CH25H
Synonyms	cholesterol 25-hydroxylase; Cholesterol 25-monooxygenase; h25OH; EC 1.14.99.38; C25H; OTTHUMP00000020057
Entrez Gene ID	9023
Protein Refseq	NP_003947
UniProt ID	O95992
Chromosome Location	10q23
Pathway	Bile acid and bile salt metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Primary bile acid biosynthesis, organism-specific biosystem; Primary bile acid biosynthesis, conserved biosystem; Synthesis of bile acids and bile salts, organism-specific biosystem.
Function	cholesterol 25-hydroxylase activity; iron ion binding; metal ion binding; steroid hydroxylase activity

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