



Anti-CH25H (aa 206-272) polyclonal antibody (DPAB-DC3706)

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.
Immunogen	CH25H (NP_003947, 206 a.a. ~ 272 a.a) partial recombinant protein with GST tag. The sequence is VNIWLSVEDHSGYNFPWSTHRLVPFGWYGGVVHDLHSHFNCNFAPYFTHWDKILGTLR TASVPAR
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [CH25H cholesterol 25-hydroxylase \[Homo sapiens \(human\) \]](#)

Official Symbol	CH25H
Synonyms	CH25H; cholesterol 25-hydroxylase; C25H; h25OH; cholesterol 25-monooxygenase;
Entrez Gene ID	9023
Protein Refseq	NP_003947
UniProt ID	O95992
Chromosome Location	10q23
Pathway	Bile acid and bile salt metabolism; Metabolism of lipids and lipoproteins; Primary bile acid biosynthesis;
Function	cholesterol 25-hydroxylase activity; iron ion binding; steroid hydroxylase activity;