

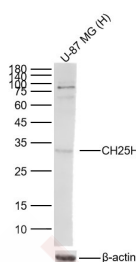
## Anti-CH25H Polyclonal Antibody 2

## Product Details

Ig Type:	IgG
Reactivity:	Human,Rat
Molecular Weight:	Theoretical: 32 kDa. Actual: 11 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	Sample:
	Lane 1: Human U-87 MG cell Lysates
	Primary: Anti-CH25H (TMAB-00422) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 32 kDa
	Observed band size: 32 kDa



Application:	IF,IHC-Fr,IHC-P,WB
Recommended	WB: 1:500-2000; IHC-P: 1:400-800; IHC-Fr: 1:400-800; IF: 1:100-500

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human CH25H
Antigen Species:	Human
Gene ID:	9023
Uniprot ID:	O95992
Synonyms:	h25OH;Cholesterol 25 hydroxylase;CH25H;Cholesterol 25 monooxygenase;C25H;EC 1.14.99.38
Biology Area:	Metabolism of lipids and lipoproteins,Cholesterol Metabolism,Oxidative Stress,Cholesterol Metabolism,Lipid metabolism,Oxidative stress

## Research Background

CH25H (Cholesterol 25-hydroxylase), also known as h25OH, is a 272 amino acid endoplasmic membrane protein that belongs to the sterol desaturase family. CH25H contains clusters of histidine residues essential for catalytic activity and is involved in cholesterol and lipid metabolism. CH25H catalyzes the formation of 25-hydroxycholesterol from

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cholesterol leading to the repression of cholesterol biosynthetic enzymes. CH25H regulates lipid metabolism by synthesizing a corepressor that blocks sterol regulatory element binding protein (SREBP) processing. CH25H utilizes diiron cofactors to catalyze the hydroxylation of hydrophobic substrates.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481