



Rabbit Anti-Human CH25H polyclonal antibody (CABT-ZB1127)

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

PRODUCT INFORMATION

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| Specificity | Cross-reactivity: Rat, (predicted: Human) |
| Target | CH25H |
| Immunogen | Recombinant human CH25H protein |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human |
| Purification | Protein A purified |
| Conjugate | Unconjugated |
| Applications | ELISA, IHC-P Recommended Dilutions: ELISA: 1:5000-10000 IHC-P: 1:400-800 Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded. |
| Format | Purified, Liquid |
| Concentration | Lot specific |
| Size | 100 µL |
| Buffer | 0.01M TBS(pH7.4) with 50% Glycerol |

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| Preservative | None |
| Storage | Store at 4°C short term. For long term storage, sStore at -20°C. Avoid freeze / thaw cycles. |
| Ship | Wet ice |

BACKGROUND

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| Introduction | 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 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. |
| Keywords | C25H; Cholesterol 25 hydroxylase; Cholesterol 25-hydroxylase; Cholesterol 25 monooxygenase; EC 1.14.99.38; EC=1.14.99.38; h25OH; CH25H_HUMAN |

GENE INFORMATION

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| Synonyms | C25H; Cholesterol 25 hydroxylase; Cholesterol 25-hydroxylase; Cholesterol 25 monooxygenase; EC 1.14.99.38; EC=1.14.99.38; h25OH; CH25H_HUMAN |
| Entrez Gene ID | 9023 |
| UniProt ID | O95992 |