

**bs-23620R****[ Primary Antibody ]****CH25H Rabbit pAb****Bioss**  
**ANTIBODIES**

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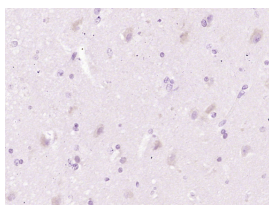
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

**— DATASHEET —**

|   |                      |  |
|---|----------------------|--|
| <b>Host:</b> Rabbit   | <b>Isotype:</b> IgG  | <b>Applications:</b> IHC-P (1:100-500)<br>IHC-F (1:100-500)<br>IF (1:100-500)<br><br><b>Reactivity:</b> Human<br><br><br><b>Predicted MW.:</b> 32 kDa<br><br><b>Subcellular Location:</b> Cell membrane ,Cytoplasm |
| <b>Clonality:</b> Polyclonal  |                      |  |
| <b>GeneID:</b> 9023   | <b>SWISS:</b> Q95992 |  |
| <b>Target:</b> CH25H  |                      |  |
| <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human CH25H : 181-272/272.  |                      |  |
| <b>Purification:</b> affinity purified by Protein A   |                      |  |
| <b>Concentration:</b> 1mg/ml  |                      |  |
| <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.<br>Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.  |                      |  |
| <b>Background:</b> 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. |                      |  |

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CH25H) Polyclonal Antibody, Unconjugated (bs-23620R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.