

## Anti-DHPS1 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat)
Molecular Weight:	Theoretical: 34 kDa. Actual: 36 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	Sample: Testis (Mouse) Lysate at 40 µg Primary: Anti-DHPS1 (TMAB-05127) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 34 kD Observed band size: 36 kD
Application:	WB
Recommended	WB: 1:500-2000

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. 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 DHPS1
Antigen Species:	Human
Gene ID:	27071
Uniprot ID:	Q9UN19

## Research Background

DHRS1 (dehydrogenase/reductase (SDR family) member 1), also known as SDR19C1, is a 313 amino acid protein that belongs to the short-chain dehydrogenases/reductases (SDR) family and likely functions as an oxidoreductase. Abundantly expressed in heart and liver, DHRS1 contains an SDR motif and is encoded by a gene that maps to human chromosome 14q12. Human chromosome 14 houses over 700 genes and comprises nearly 3.5% of the human genome. Chromosome 14 encodes the presenilin 1 (PSEN1) gene, which is one of the three key genes associated with the development of Alzheimer's disease (AD). The SERPINA1 gene is also located on chromosome 14 and, when defective, leads to the genetic disorder  $\alpha$ -antitrypsin deficiency, which is characterized by severe lung complications and liver dysfunction.

**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