SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-APOH antibody

Catalog Number: SL1570R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	APOH
Immunogen:	KLH conjugated synthetic peptide derived from human ApoH: 281-345/345
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse,Rat(predicted:Dog,Cow,Horse,Rabbit)
Predicted MW.:	36kDa
Subcellular Location:	Secretory protein
Background:	Apolipoprotein H is expressed by placental trophoblast cells at high levels. Although the normal physiological role is not known, the protein appears to act as a co-factor for the binding of autoantibodies to phospholipids to trophoblasts, which is a process involved in the pathogenesis of recurrent miscarriage. **Function:** Binds to various kinds of negatively charged substances such as heparin, phospholipids, and dextran sulfate. May prevent activation of the intrinsic blood coagulation cascade by binding to phospholipids on the surface of damaged cells. **Subcellular Location:** Secreted. **Tissue Specificity:** Expressed by the liver and secreted in plasma. **Post-translational modifications:** N- and O-glycosylated. PubMed:6587378

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	also reports glycosylation on 'Asn-188' for their allele. **Similarity:** Contains 4 Sushi (CCP/SCR) domains. **Database links:** **Entrez Gene:** 350 Human **Entrez Gene:** 287774 Rat Omim: 138700 Human **SwissProt:** P02749 Human **SwissProt:** P26644 Rat **Unigene:** 445358 Human **Unigene:** 1824 Rat Lipoprotein H carrier (apolipoprotein D, apoH) also known as β2glycoprotein I (β2-glycoprotein, β2-GI), It was initially isolated from high-density Lipoprotein in human plasma. apoH structurally differs greatly from other types of lipoproteins, is classified into the adipogenesis-promoting factor family.

[VALIDATION IMAGES]

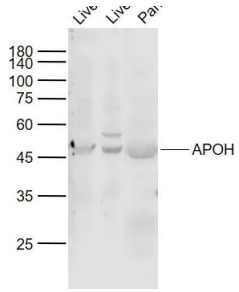


Figure 1. Sample: Lane 1: Liver (Mouse) Lysate at 40 ug Lane 2: Liver (Rat) Lysate at 40 ug Lane 3: Pancreas (Rat) Lysate at 40 ug Primary: Anti-APOH (SL1570R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 36 kD Observed band size: 47 kD

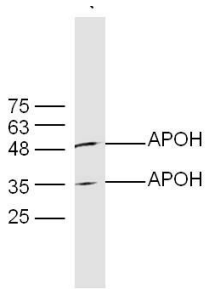


Figure 2. Sample: HepG2 Cell (Human) Lysate at 30 ug Primary: Anti-APOH (SL1570R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 36 kD Observed band size: 35/50 kD

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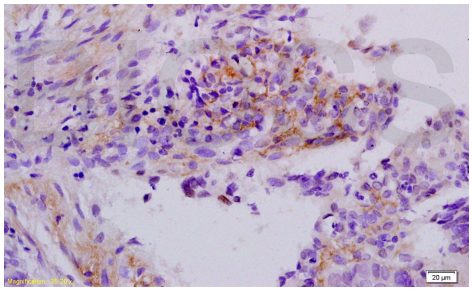


Figure 3. Tissue/cell: human laryngeal cancer; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-APOH Polyclonal Antibody, Unconjugated(SL1570R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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