



## Rabbit Anti-APOA4 antibody

SL3876R

<b>Product Name:</b>	APOA4
<b>Chinese Name:</b>	载LipoproteinA4抗体
<b>Alias:</b>	Apo AIV; APOA 4; Apolipoprotein A IV; MGC142154; MGC142156.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	44kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human APOA4:325-375/396
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	APOA4 (apolipoprotein A-IV) is a component of HDL and chylomicrons. Its primary site of synthesis is the intestine, in association with lymph chylomicron particles. Although its precise function is not known, APOA4 is a potent activator of lecithin-cholesterol acyltransferase (LCAT) in vitro. In rodents, Apo A-IV inhibits gastric emptying and serves as a satiety factor whose synthesis and secretion are increased by the ingestion of dietary fat. It also possesses anti-inflammatory and antiatherogenic properties

**Function:**

May have a role in chylomicrons and VLDL secretion and catabolism. Required for efficient activation of lipoprotein lipase by ApoC-II; potent activator of LCAT. ApoA-IV is a major component of HDL and chylomicrons.

**Subcellular Location:**

Secreted.

**Tissue Specificity:**

Synthesized primarily in the intestine and secreted in plasma.

**Post-translational modifications:**

Phosphorylation sites are present in the extracellular medium.

**Similarity:**

Belongs to the apolipoprotein A1/A4/E family.

**SWISS:**

P06727

**Gene ID:**

337

**Database links:**

[Entrez Gene: 337](#) Human

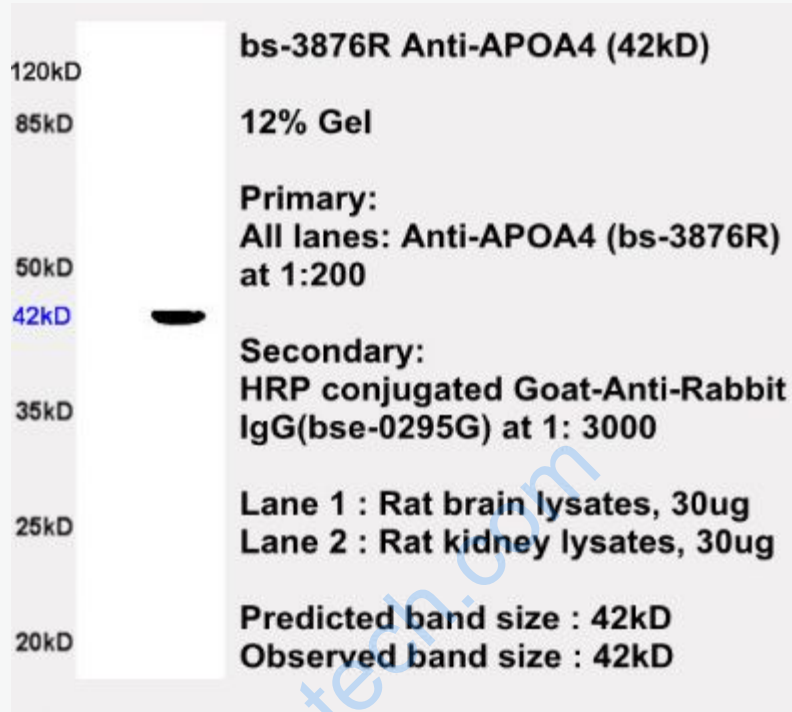
[Omim: 107690](#) Human

[SwissProt: P06727](#) Human

[Unigene: 1247](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Sample:

Brain (Rat) Lysate at 30 ug

Kidney (Rat) Lysate at 30 ug

Primary: Anti-APOA4 (SL3876R) at 1/200 dilution

Secondary: HRP conjugated Goat-Anti-rabbit IgG (SL3876R) at 1/3000 dilution

Predicted band size: 42 kD

Observed band size: 42 kD