



## Rabbit Anti-APOL4 antibody

SL12499R

<b>Product Name:</b>	APOL4
<b>Chinese Name:</b>	载LipoproteinL4抗体
<b>Alias:</b>	APOL IV; ApoL-IV; APOL4; APOL4_HUMAN; Apolipoprotein L IV; Apolipoprotein L-IV; Apolipoprotein L4; APOLIV; CTA 212A2.2; OTTHUMP00000028937.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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>	37kDa
<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 APOL4/Apolipoprotein L4:1-100/351
<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>	The apolipoprotein L gene family maps to a region on chromosome 22 and encodes six highly homologous proteins designated apoL-I, apoL-II, apoL-III, apoL-IV, apoL-V and apoL-VI, all of which function as components of plasma lipoproteins. ApoL-IV (apolipoprotein L-IV), also known as APOL4, is a 351 amino acid protein that exists as multiple alternatively spliced isoforms, one of which is secreted. Expressed in spleen,

placenta, spinal cord, uterus, testis and trachea, apoL-IV is thought to play a role in lipid exchange and transport throughout the body and may be involved in reverse cholesterol transport, specifically from peripheral cells to the liver. Overexpression of apoL-IV is associated with schizophrenia, suggesting that apoL-IV may play a role in the pathogenesis of neural disorders.

**Function:**

May play a role in lipid exchange and transport throughout the body. May participate in reverse cholesterol transport from peripheral cells to the liver.

**Subcellular Location:**

Secreted.

**Tissue Specificity:**

Widely expressed; the highest levels are in spinal cord, placenta, adrenal gland; also detected in spleen, bone marrow, uterus, trachea, mammary gland and testis; levels are low in brain, heart and pancreas.

**Similarity:**

Belongs to the apolipoprotein L family.

**SWISS:**

Q9BPW4

**Gene ID:**

80832

**Database links:**

[Entrez Gene: 80832](#)Human

[Omid: 607254](#)Human

[SwissProt: Q9BPW4](#)Human

[Unigene: 726733](#)Human

**Important Note:**

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