



Rabbit Anti-APOA1BP/AI-BP antibody

SL12491R

Product Name:	APOA1BP/AI-BP
Chinese Name:	载LipoproteinA1Binding protein抗体抗体
Alias:	AI BP; AIBP; ApoA I binding protein; Apolipoprotein A I binding protein; MGC119143; MGC119144; MGC119145; YjeF N terminal domain containing protein 1; YJEFN1; NNRE HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,Sheep,Chimpanzee,
Applications:	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.
Molecular weight:	27kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human APOA1BP/AI-BP:201-288/288
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	Apolipoproteins are protein components of plasma lipoproteins. Apolipoprotein A-I (ApoA1) promotes cholesterol efflux from tissues to the liver for excretion. ApoA1 is the major protein component of high density lipoprotein (HDL) in the plasma. It can function as a cofactor for lecithin cholesterolacyltransferase, which is responsible for the formation of most plasma cholesteryl esters. AI-BP (Apolipoprotein A-I-binding

protein), also known as YjeF N-terminal domain-containing protein 1, is a 288 amino acid secreted protein that binds ApoA1, ApoA2 and HDL. Individuals with impaired renal function show an increased rate of AI-BP excretion, indicating that it is normally reabsorbed within the kidney tubules. AI-BP belongs to the YjeF N-terminal domain protein family, which includes proteins that are frequently involved in oogenesis and spermatogenesis. There are two isoforms of AI-BP that are produced as a result of alternative splicing events.

Function:

APOA1BP interacts with apolipoprotein A-I (apoA-I), the major apolipoprotein of high-density lipoproteins (HDLs). It is secreted into some bodily fluids, and its synthesis and secretion are stimulated in vitro by incubating cells with apoA-I.

Subunit:

Homodimer (By similarity). Interacts with APOA1 and APOA2.

Subcellular Location:

Secreted

Tissue Specificity:

Ubiquitously expressed, with highest levels in kidney, heart and liver. Present in cerebrospinal fluid and urine but not in serum from healthy patients. Present in serum of sepsis patients (at protein level).

Post-translational modifications:

Undergoes physiological phosphorylation during sperm capacitation, downstream to PKA activation (By similarity).

Similarity:

Belongs to the nnrE/AIBP family.
Contains 1 YjeF N-terminal domain.

SWISS:

Q8NCW5

Gene ID:

128240

Database links:

[Entrez Gene: 128240](#)Human

[Entrez Gene: 246703](#)Mouse

[Entrez Gene: 780405](#)Pig

[Entrez Gene: 295229](#)Rat

[Oimim: 608862](#)Human

[SwissProt: Q6QRN6](#)Cow

[SwissProt: E2QRY6](#)Dog

[SwissProt: Q8NCW5](#)Human

[SwissProt: Q8K4Z3](#)Mouse

[SwissProt: Q0PIT9](#)Pig

[SwissProt: B0BNM1](#)Rat

[Unigene: 528320](#)Human

[Unigene: 205996](#)Mouse

[Unigene: 14886](#)Rat

Important Note:

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

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