




Product datasheet

Anti-APOA4 antibody ab59036

2 Images

Overview

Product name	Anti-APOA4 antibody
Description	Goat polyclonal to APOA4
Host species	Goat
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Chimpanzee, Cynomolgus monkey 
Immunogen	Synthetic peptide corresponding to Human APOA4 aa 359-371 (internal sequence). Sequence: C-KEKESQDKTSLP (Peptide available as ab78150)  Run BLAST with  Run BLAST with
Positive control	WB: Human duodenum tissue lysate. IHC-P: Human intestine tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: .5% BSA, Tris buffered saline, pH 7.3
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab59036** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.01 - 0.03 µg/ml. Detects a band of approximately 45 kDa (predicted molecular weight: 45 kDa).Can be blocked with Human APOA4 peptide (ab78150) .
IHC-P		Use a concentration of 2 - 4 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

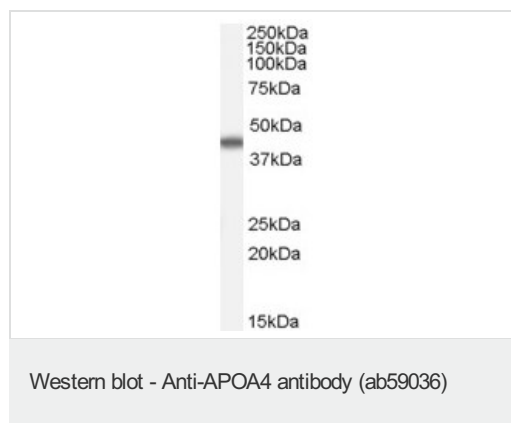
Relevance

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

Cellular localization

Secreted

Images

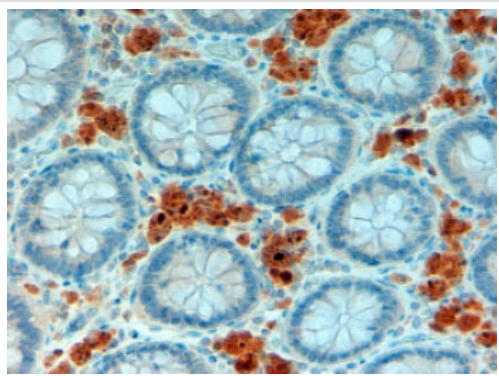


Anti-APOA4 antibody (ab59036) at 0.01 µg/ml
+ Human Duodenum lysate (35µg protein in RIPA buffer)

Predicted band size: 45 kDa

Observed band size: 45 kDa

Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human intestine tissue, staining APOA4 with ab59036 at 2 µg/ml. Antigen retrieval was performed by heat mediation in a citrate buffer (pH 6).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-APOA4 antibody (ab59036)

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