




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.

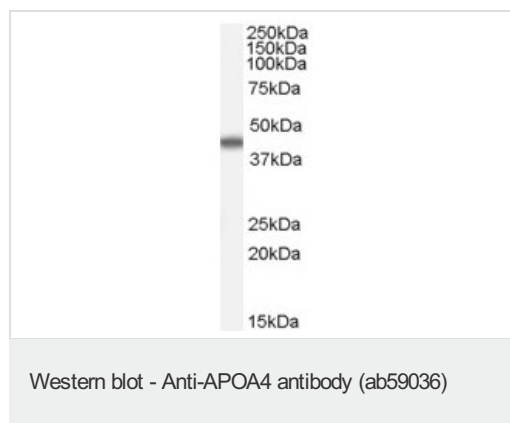
| Application | Abreviews | Notes |
|-------------|-----------|---|
| WB | | Use a concentration of 0.01 - 0.03 µg/ml. Detects a band of approximately 45 kDa (predicted molecular weight: 45 kDa).Can be blocked with Human APOA4 peptide (ab78150) . |
| IHC-P | | Use a concentration of 2 - 4 µg/ml. Perform 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

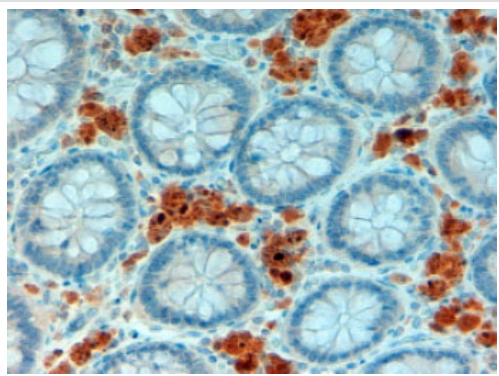


Anti-APOA4 antibody (ab59036) at 0.01 µg/ml
+ Human Duodenum lysate (35µg protein in RIPA buffer)

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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