

## Product datasheet for **AP32697PU-N**

### Apolipoprotein A IV / ApoA4 Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>Peptide ELISA:</b> 1/32000 (Detection Limit) <b>Western blot:</b> Preliminary experiments in Mouse and Rat Liver lysates gave no specific signal but low background (at antibody concentration up to 1 µg/ml). <b>Immunohistochemistry on Paraffin Sections:</b> 2-4 µg/ml. In paraffin embedded Mouse Colon shows staining of cells between the villi, consistent with the observations with the related AP16668PU-N.
Reactivity:	Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the internal region of the protein sequence according to NP_031494.2.
Specificity:	Recognizes Mouse Apolipoprotein A-IV.
Formulation:	Tris saline, pH~7.3 State: Aff - Purified State: Liquid purified IgG fraction Stabilizer: 0.5% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by Antigen Affinity Chromatography using the immunizing peptide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	apolipoprotein A-IV
Database Link:	<a href="#">Entrez Gene 11808 Mouse P06728</a>



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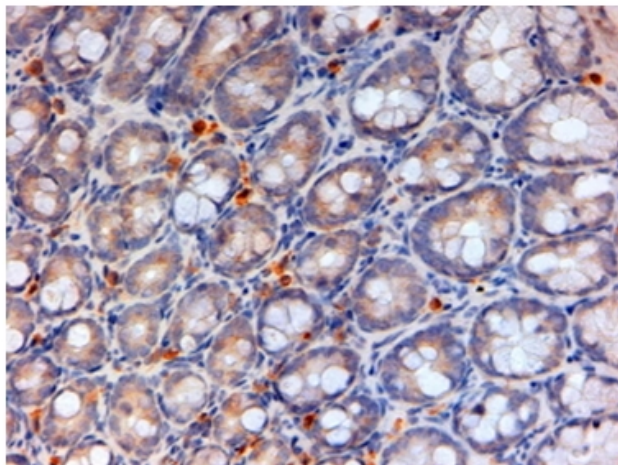
**Background:**

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, apo A-IV 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.

**Synonyms:**

Apolipoprotein A-IV, ApoA-IV, Apo-AIV

**Product images:**

AP32697PU-N APOA4 antibody staining of paraffin embedded Mouse Colon at 2 g/ml. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.