Certificate of Analysis and Data Sheet

Goat Anti-APOA4
With HRP-conjugated Secondary Antibody

Catalog No.	Accession Number
ER-14-0154	NP_000473.2

Target Protein
Principal Names: MGC142156, MGC142154, apolipoprotein A-IV, APOA4
Official Symbol: APOA4
Accession Number(s): NP_000473.2
Human GeneID(s): 337

Immunogen
Peptide with sequence C-KEKESQDKTLSLP, from the internal region (near the C Terminus) of the protein sequence according to NP_000473.2.

Purification and Storage
Purified from goat serum by ammonium sulfate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested
Peptide ELISA: antibody detection limit dilution 1:32000.
Western blot: Approx 45kDa band observed in Human Duodenum lysates (calculated MW of 45.4kDa according to NP_000473.2). Recommended concentration: 0.01-0.03µg/ml.

Species Reactivity
Tested: Human
Expected from sequence similarity: Human

Background Reference
Spaulding HL, Saijo F, Turnage RH, Alexander JS, Aw TY, Kalogeris TJ. Apolipoprotein A-IV attenuates oxidant-induced apoptosis in mitotic competent, undifferentiated cells by modulating intracellular glutathione redox balance. Am J Physiol Cell Physiol. 2006 Jan;290(1):C95-C103. Epub 2005 Aug 24. PMID: 16120654

Secondary Antibody Applications

Immunoassay (ELISA, Western blotting): 1:5,000-1:10,000

Image

ER-14-0154 (0.01µg/ml) staining of Human Duodenum lysate (35µg protein in RIPA buffer).
Primary incubation was 1 hour. Detected by chemiluminescence.