

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Apolipoprotein B/ApoB in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Apolipoprotein B/ApoB Met1206-Asp1413 Accession # NP_000375
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

ApoB is a component of LDL and VLDL particles and chylomicrons. ApoB100, the full-length ApoB synthesized in the liver, is a 512 kDa secreted palmitoylated glycoprotein that contains 4536 amino acid residues. A truncated ApoB designated ApoB48, containing the N-terminal 48% of ApoB100, is also produced by the intestine as a result of post-transcriptional modification of the ApoB mRNA. Additionally, C-terminal truncated ApoB, varying in length from ApoB25 to ApoB89, exists as a result of mutations in the ApoB gene. Within the region used as the immunogen, the amino acid sequence of the human peptide is 80% and 82% identical to the mouse and canine sequence, respectively.

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