

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Apolipoprotein B/ApoB in 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
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

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.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human Apolipoprotein B/ApoB

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

ApoB is a component of LDL and VLDL particles and chylomicans. 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.