

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ApoC2 in Western blots. In Western blots, this antibody detects both the precursor and processed forms of ApoC2.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human ApoC2 Thr23-Glu101 Accession # P02655
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 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.

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

Apolipoprotein C2 (ApoC2/II) is a 8-9 kDa, secreted member of the Apolipoprotein C2 family of proteins. It is produced by hepatocytes and represents a major component of VLDL particles. It activates lipoprotein lipase and may self-associate to form amyloid-type fibrils. The human ApoC2 precursor is 101 amino acids (aa) in length. It contains a 22 amino acid (aa) signal sequence, followed by a 79 aa ProApoC2 that contains a lipid-binding region (aa 43-51) and an enzyme interaction site (aa 55-78). ProApoC2 represents >90% of circulating ApoC2. In human, limited proteolytic processing occurs with removal of the six aa prosegment (aa 23-28). This does not affect activity. Human ProApoC2 is 59% and 62% aa identical to mouse and rat ProApoC2, respectively.

PRODUCT SPECIFIC NOTICES

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc, and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.