

**DESCRIPTION**

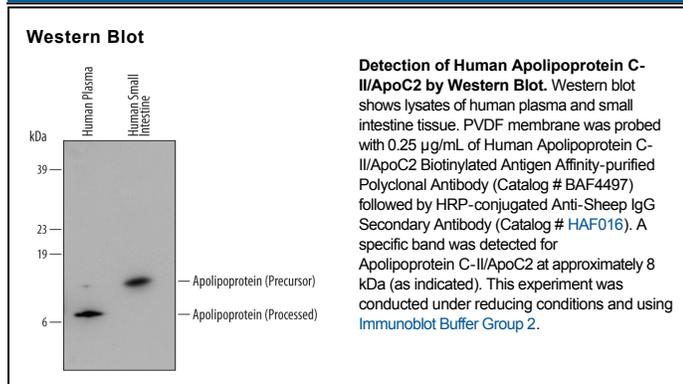
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects recombinant and endogenous human ApoC2 in Western blots.
<b>Source</b>	Polyclonal Sheep IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human ApoC2 Thr23-Glu101 Accession # P02655
<b>Formulation</b>	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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	0.25 µg/mL	See Below

**DATA**



**PREPARATION AND STORAGE**

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

**BACKGROUND**

Apolipoprotein C2 (ApoC2/III) 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% aa identical to mouse and dog ProApoC2, respectively.