

Anti-Angiopietin-related protein 3 ANGPTL3 Antibody

Catalog Number: PA2075

About ANGPTL3

ANGPTL3 (Angiopietin-Like 3), also known as ANGPT5, is a protein which in humans is encoded by the ANGPTL3 gene. The protein encoded by this gene is a member of the angiopoietin-like family of secreted factors. By radiation hybrid mapping and the use of surrounding genes, Conklin et al. (1999) mapped the ANGPTL3 gene to chromosome 1p31. It is predominantly expressed in the liver, and has the characteristic structure of angiopoietins, consisting of a signal peptide, N-terminal coiled-coil domain and the C-terminal fibrinogen (FBN)-like domain. Angptl3 also acts as dual inhibitor of lipoprotein lipase (LPL) and endothelial lipase (EL), and increases plasma triglyceride and HDL cholesterol in rodents. ANGPTL3 inhibit endothelial lipase to catalyze HDL-phospholipid and increase HDL-PL levels.

Overview

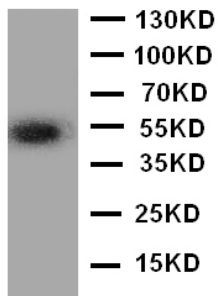
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| Product Name | Anti-Angiopietin-related protein 3 ANGPTL3 Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-Angiopietin-related protein 3 ANGPTL3 Antibody catalog # PA2075. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. |
| Application | WB |
| Clonality | Polyclonal |
| Formulation | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. |
| Storage Instructions | Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles. |
| Host | Rabbit |
| Uniprot ID | Q9Y5C1 |

Technical Details

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| Immunogen | A synthetic peptide corresponding to a sequence at the N-terminus of human ANGPTL3, identical to the related rat and mouse sequences. |
| Predicted Reactive Species | Hamster |
| Recommended Detection Systems | Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot. |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| Form | Lyophilized |

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|---------------------|--|
| Concentration | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. |
| Purification | Immunogen affinity purified. |
| Suggested Dilutions | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat</p> |

Anti-Angiopoietin-related protein 3 ANGPTL3 Antibody (PA2075) Images



Anti-ANGPTL3 antibody, PA2075, Western blotting
WB: A549 Cell Lysate

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