

Anti-12 Lipoygenase/ALOX12 UBB Antibody

Catalog Number: PA1485-1

About UBB

ALOX12, Arachidonate 12-lipoxygenase, is an enzyme that in humans is encoded by the ALOX12 gene. By fluorescence in situ hybridization, the ALOX12 gene is located in band 17p13.1. The gene consists of 14 exons with 13 introns and spans approximately 15 kb of DNA. Arachidonate 12-lipoxygenase introduces a molecular oxygen into the C-12 position of arachidonic acid to produce 12 (S)-hydroperoxy-5,8,10,14-eicosatetraenoic acid. The major pathway of arachidonic acid metabolism in human platelets proceeds via a 12-lipoxygenase enzyme. Expression of the ALOX12 gene was detected in human erythroleukemia cells, platelets, and human umbilical vein endothelial cells by reverse transcription-PCR analysis.

Overview

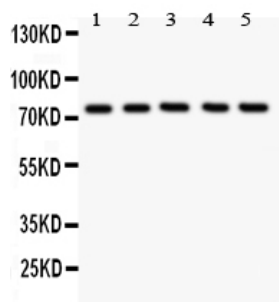
Product Name	Anti-12 Lipoygenase/ALOX12 UBB Antibody
Reactive Species	Human
Description	Boster Bio Anti-12 Lipoygenase/ALOX12 UBB Antibody catalog # PA1485-1. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
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	P0CG47

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human ALOX12, different from the related rat sequence by four amino acids, and from the related mouse sequence by five amino acids.
Predicted Reactive Species	Horse
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
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</p>

Anti-12 Lipxygenase/ALOX12 UBB Antibody (PA1485-1) Images



Anti-12 Lipxygenase antibody, PA1485-1, Western blotting

All lanes: Anti ANOX12 (PA1485-1) at 0.5ug/ml

Lane 1: A549 Whole Cell Lysate at 40ug

Lane 2: MCF-7 Whole Cell Lysate at 40ug

Lane 3: COLO320 Whole Cell Lysate at 40ug

Lane 4: JURKAT Whole Cell Lysate at 40ug

Lane 5: HELA Whole Cell Lysate at 40ug

Predicted bind size: 75KD

Observed bind size: 75KD

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