

Anti-Leukotriene B4 Receptor/BLT antibody [EPR7113] ab131041

Recombinant RabMAb

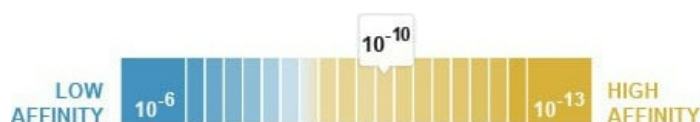
[2 References](#) [5 Images](#)

Overview

Product name	Anti-Leukotriene B4 Receptor/BLT antibody [EPR7113]
Description	Rabbit monoclonal [EPR7113] to Leukotriene B4 Receptor/BLT
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt, ICC/IF or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human thymus, Human fetal lung and A549 cell lysates; Human breast carcinoma and tonsil tissues
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Dissociation constant (K_D)	K _D = 1.96 x 10 ⁻¹⁰ M



Learn more about K_D

Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR7113
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab131041 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

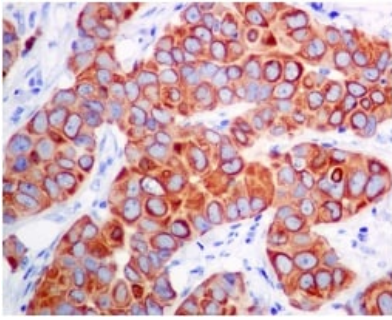
Application	Abreviews	Notes
WB		1/10000 - 1/50000. Detects a band of approximately 38 kDa (predicted molecular weight: 38 kDa).
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Application notes Is unsuitable for Flow Cyt, ICC/IF or IP.

Target

Function	Receptor for extracellular ATP > UTP and ADP. The activity of this receptor is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system. May be the cardiac P2Y receptor involved in the regulation of cardiac muscle contraction through modulation of L-type calcium currents. Is a receptor for leukotriene B4, a potent chemoattractant involved in inflammation and immune response.
Tissue specificity	Expressed at highest levels in heart, skeletal muscle and at lower levels in brain and liver. High level of expression in lymphoid tissues.
Sequence similarities	Belongs to the G-protein coupled receptor 1 family.
Post-translational modifications	Phosphorylated by GRK6 upon leukotriene B4 binding; which promotes desensitization.
Cellular localization	Cell membrane.

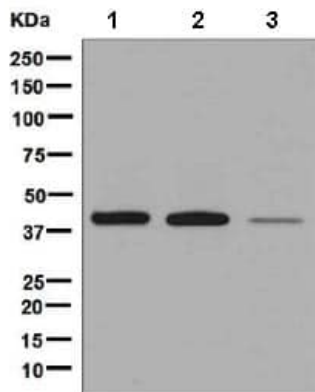
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Leukotriene B4 Receptor/BLT antibody [EPR7113] (ab131041)

Immunohistochemical analysis of paraffin-embedded Human breast carcinoma tissue labelling Leukotriene B4 Receptor/BLT with ab131041 antibody at 1/50 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Western blot - Anti-Leukotriene B4 Receptor/BLT antibody [EPR7113] (ab131041)

All lanes : Anti-Leukotriene B4 Receptor/BLT antibody [EPR7113] (ab131041) at 1/10000 dilution

Lane 1 : Human thymus lysate

Lane 2 : Human fetal lung tissue lysate

Lane 3 : A549 cell lysate

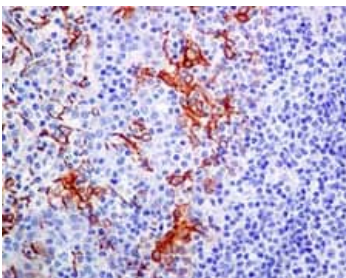
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 38 kDa

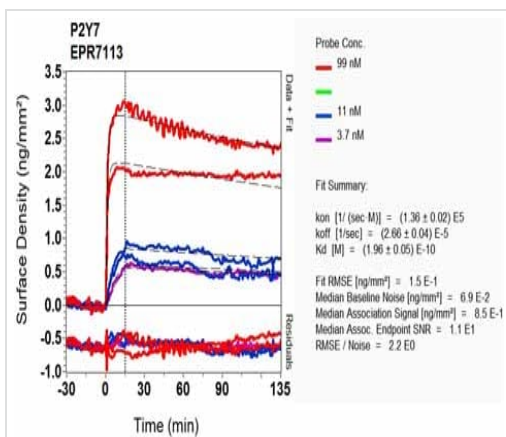
Observed band size: 38 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Leukotriene B4 Receptor/BLT antibody [EPR7113] (ab131041)

Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labelling Leukotriene B4 Receptor/BLT with ab131041 antibody at 1/50 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



SPR Scanning - Anti-Leukotriene B4 Receptor/BLT antibody [EPR7113] (ab131041)

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Leukotriene B4 Receptor/BLT antibody
[EPR7113] (ab131041)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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