

LTB4-R1/LTB4R Rabbit pAb

Catalog # AP96853

Product Information

Application	WB
Reactivity	Mouse
Predicted	Rat, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse LTB4-R1/LTB4R
Epitope Specificity	201-300/351
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the G-protein coupled receptor 1 family.
Post-translational modifications	Phosphorylated by GRK6 upon leukotriene B4 binding; which promotes desensitization.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Leukotriene B4 Receptor is a member of the GPCR family (subfamily:chemoattractant). It is a receptor for leukotriene B4, a potent chemoattractant involved in inflammation and immune response. It has been reported in blood, bone marrow, brain, heart, liver, and skeletal muscle. In addition, it has been shown to be highly expressed in leukocytes and lymphoid tissues such as spleen, thymus, and lymph node. ESTs have been isolated from B cell/lung/testis, breast, colon, eye, kidney, skin, spleen, testis, and tonsil libraries.

Additional Information

Other Names	BLT1; BLTR; CMKRL1; GPR16; LTB4R1; LTBR1; P2RY7; P2Y7; LT4R1_HUMAN; LTB4R; LTB4-R 1; LTB4-R1; Chemoattractant receptor-like 1; G-protein coupled receptor 16; P2Y purinoceptor 7 (P2Y7); BLT; leukotriene B4 receptor
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Name	LTB4-R1/LTB4R Rabbit pAb
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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.