

SP4638P**Polyclonal Antibody to LTB4R / BLTR (2nd Cytopl. Dom.) - Aff - Purified**

Alternate names:	BLT, BLT1, CMKRL1, Chemoattractant receptor-like 1, G-protein coupled receptor 16, GPR16, LTB4-R 1, Leukotriene B4 receptor 1, P2RY7, P2Y purinoceptor 7, P2Y7
Quantity:	50 µg
Concentration:	1.0 mg/ml
Background:	<p>BLT1 is a Chemoattractant Receptor that binds the potent chemoattractant leukotriene B4 (LTB4) which is involved in defense against infection. Leukotriene B4 also activates the transcription factor PPAR alpha, resulting in the activation of genes that terminate inflammatory processes. Although BLT1 shows homology to other P2Y receptors, it does not function as a purinoreceptor.</p> <p>BLTR1 has been reported in blood, bone marrow, brain, heart, liver, and skeletal muscle. In addition, BLTR1 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.</p>
Uniprot ID:	Q15722
NCBI:	NP_001137391.1
GeneID:	1241
Host:	Rabbit
Immunogen:	<p>Synthetic 16 amino acid peptide from 2nd cytoplasmic domain of Human Leukotriene B4 Receptor</p> <p>Genename: LTB4R</p> <p>Remarks: Percent identity with other species by BLAST analysis: Human, Gorilla (100%); Gibbon (94%); Monkey, Marmoset (88%); Rat, Bovine (81%)</p>
Format:	<p>State: Liquid purified Ig fraction</p> <p>Purification: Immunoaffinity Chromatography</p> <p>Buffer System: PBS</p> <p>Preservatives: 0.09% Sodium Azide</p>
Applications:	<p>Immunohistochemistry on Paraffin Sections: 7 - 17 µg/ml.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	<p>Recognizes 2nd cytoplasmic domain of Human Leukotriene B4 Receptor BLTR1 (Family: GPCR, Subfamily: Chemoattractant).</p> <p>BLAST analysis of the peptide immunogen showed no homology with other human proteins, except LTB4R2 (56%), ZNF644 (44%).</p>
Species Reactivity:	Tested: Human, Gorilla, Gibbon, Monkey, Marmoset, Rat, Bovine

Storage: Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Pictures: Anti-Leukotriene B₄ Receptor antibody
IHC of human spleen, red pulp.
Immunohistochemistry of formalin-fixed,
paraffin-embedded tissue after heat-
induced antigen retrieval.

