

Leukotriene B4 Receptor / BLT1 Antibody (Cytoplasmic Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10374**Specification**

Leukotriene B4 Receptor / BLT1 Antibody (Cytoplasmic Domain) - Product Information

Application	IHC-P
Primary Accession	Q15722
Reactivity	Human, Mouse, Rabbit, Hamster, Monkey, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38kDa KDa
Dilution	IHC-P~~N/A

Leukotriene B4 Receptor / BLT1 Antibody (Cytoplasmic Domain) - Additional Information**Gene ID** 1241**Other Names**

Leukotriene B4 receptor 1, LTB4-R 1, LTB4-R1, Chemoattractant receptor-like 1, G-protein coupled receptor 16, P2Y purinoceptor 7, P2Y7, LTB4R, BLT, BLT1, BLTR, CMKRL1, GPR16, P2RY7

Target/Specificity

Human Leukotriene B4 Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

Leukotriene B4 Receptor / BLT1 Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

Leukotriene B4 Receptor / BLT1 Antibody (Cytoplasmic Domain) - Protein Information**Name** LTB4R**Synonyms** BLT, BLT1, BLTR, CMKRL1, GPR16, P2RY7**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.

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

Expressed at highest levels in heart, skeletal muscle and at lower levels in brain and liver. High level of expression in lymphoid tissues

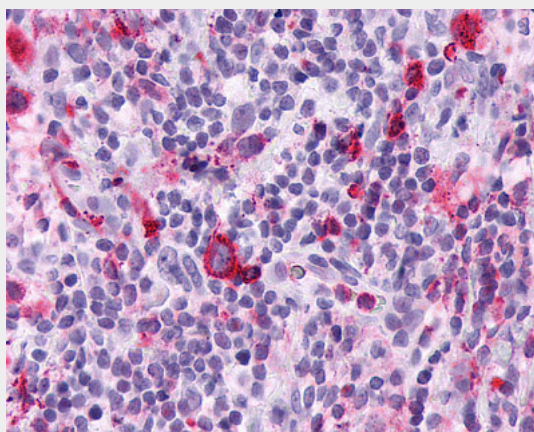
Volume

50 µl

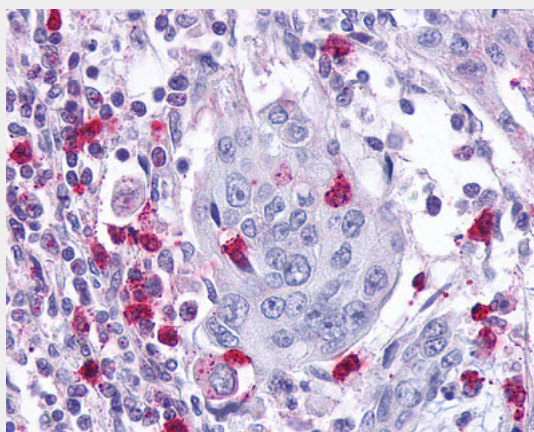
Leukotriene B4 Receptor / BLT1 Antibody (Cytoplasmic Domain) - Protocols

Provided below are standard protocols that you may find useful for product applications.

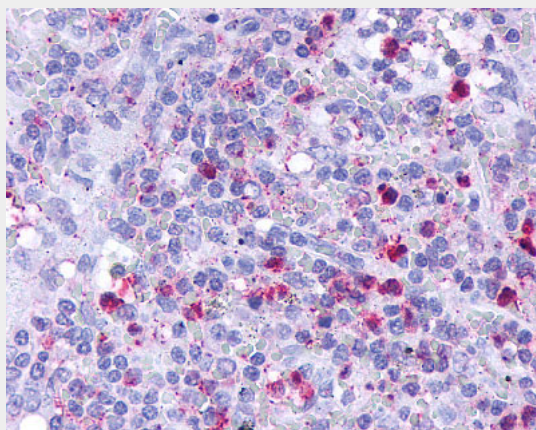
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Leukotriene B4 Receptor / BLT1 Antibody (Cytoplasmic Domain) - Images

Anti-Leukotriene B4 Receptor / BLT1 antibody IHC of human Lymph Node, Hodgkins Lymphoma.



Anti-Leukotriene B4 Receptor / BLT1 antibody IHC of human Pancreas, Carcinoma and Leukocytes.



Anti-Leukotriene B4 Receptor antibody ALS10374 IHC of human spleen, red pulp.

Leukotriene B4 Receptor / BLT1 Antibody (Cytoplasmic Domain) - Background

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.

Leukotriene B4 Receptor / BLT1 Antibody (Cytoplasmic Domain) - References

Akbar G.K.M.,et al.J. Biol. Chem. 271:18363-18367(1996).
Raport C.J.,et al.J. Leukoc. Biol. 59:18-23(1996).
Yokomizo T.,et al.Nature 387:620-624(1997).
Owman C.S.O.,et al.Genomics 37:187-194(1996).
Kato K.,et al.J. Exp. Med. 192:413-420(2000).