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CYSLT2 / CYSLTR2 Antibody (N-Terminus)

Rabbit Polyclonal Antibody

Catalog # ALS10127

Specification

CYSLT2 / CYSLTR2 Antibody (N-Terminus) - Product Information

Application	**IHC**
Primary Accession	Q9NS75
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**40kDa KDa**

CYSLT2 / CYSLTR2 Antibody (N-Terminus) - Additional Information

Gene ID 57105

Other Names
Cysteinyl leukotriene receptor 2, CysLTR2, G-protein coupled receptor GPCR21, hGPCR21, G-protein coupled receptor HG57, HPN321, CYSLTR2, CYSLT2, CYSLT2R

Target/Specificity
Human CYSLTR2 / CYSLT2. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage
Long term: -70°C; Short term: +4°C

Precautions
CYSLT2 / CYSLTR2 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

CYSLT2 / CYSLTR2 Antibody (N-Terminus) - Protein Information

Name CYSLTR2

Synonyms CYSLT2, CYSLT2R

Function
Receptor for cysteinyl leukotrienes. The response is mediated via a G-protein that activates a phosphatidylinositol-calcium second messenger system. Stimulation by BAY u9773, a partial agonist, induces specific contractions of pulmonary veins and might also have an indirect role in the relaxation of the pulmonary vascular endothelium. The rank order of affinities for the leukotrienes is LTC4 = LTD4 >> LTE4.

Cellular Location
Cell membrane; Multi-pass membrane protein.

Tissue Location
Widely expressed, with highest levels in the heart, placenta, spleen, peripheral blood leukocytes and adrenal gland. In lung, expressed in the interstitial macrophages, and slightly in smooth muscle cells

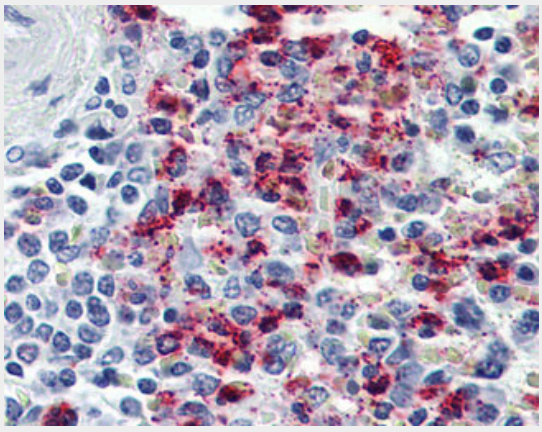
Volume
50 µl

CYSLT2 / CYSLTR2 Antibody (N-Terminus) - Protocols

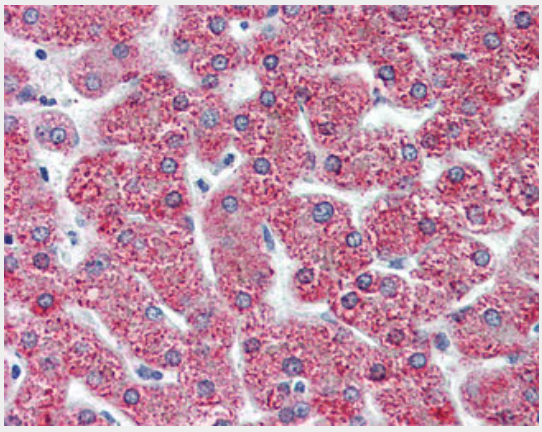
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CYSLT2 / CYSLTR2 Antibody (N-Terminus) - Images



Anti-CYSLTR2 / CYSLT2 antibody ALS10127 IHC of human spleen.



Anti-CYSLTR2 / CYSLT2 antibody ALS10127 IHC of human liver.

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CYSLT2 / CYSLTR2 Antibody (N-Terminus) - Background

Receptor for cysteinyl leukotrienes. The response is mediated via a G-protein that activates a phosphatidylinositol- calcium second messenger system. Stimulation by BAY u9773, a partial agonist, induces specific contractions of pulmonary veins and might also have an indirect role in the relaxation of the pulmonary vascular endothelium. The rank order of affinities for the leukotrienes is LTC4 = LTD4 >> LTE4.

CYSLT2 / CYSLTR2 Antibody (N-Terminus) - References

Takasaki J.,et al.Biochem. Biophys. Res. Commun. 274:316-322(2000).
Heise C.E.,et al.J. Biol. Chem. 275:30531-30536(2000).
Nothacker H.-P.,et al.Mol. Pharmacol. 58:1601-1608(2000).
Takeda S.,et al.FEBS Lett. 520:97-101(2002).
Kopatz S.A.,et al.Submitted (SEP-2003) to the EMBL/GenBank/DDBJ databases.