

CYSLT2 / CYSLTR2 Antibody (Extracellular Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10534**Specification**

CYSLT2 / CYSLTR2 Antibody (Extracellular Domain) - Product Information

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

CYSLT2 / CYSLTR2 Antibody (Extracellular Domain) - 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, except GPR109B (59%), OXGR1 (59%), GPR81 (59%).

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

CYSLT2 / CYSLTR2 Antibody (Extracellular Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

CYSLT2 / CYSLTR2 Antibody (Extracellular Domain) - 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

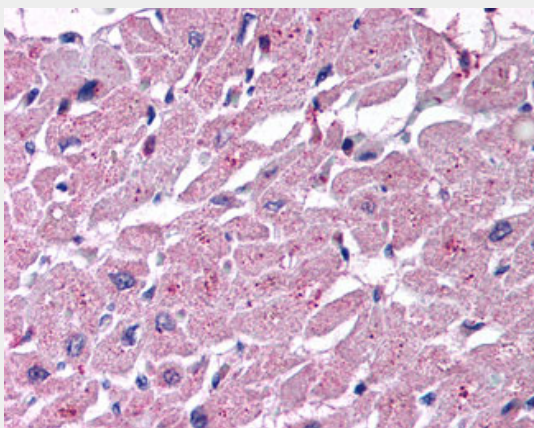
Volume

50 µl

CYSLT2 / CYSLTR2 Antibody (Extracellular 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](#)

CYSLT2 / CYSLTR2 Antibody (Extracellular Domain) - Images

Anti-CYSLTR2 / CYSLT2 antibody ALS10534 IHC of human heart.

CYSLT2 / CYSLTR2 Antibody (Extracellular Domain) - 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 (Extracellular Domain) - 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.