

Polyclonal Antibody to CYSLTR1 - Aff - Purified

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| Alternate names: | CysLTR1, Cysteinyl leukotriene D4 receptor, Cysteinyl leukotriene receptor 1, G-protein coupled receptor HG55, HG55, HMTMF81, LTD4 receptor |
| Catalog No.: | SP4108P |
| Quantity: | 50 µg |
| Concentration: | 1 mg/ml |
| Background: | <p>Cysteinyl leukotriene receptor 1, a Chemoattractant Receptor, is detected in spleen, peripheral blood leukocytes, and lung smooth muscle (Lynch et al., 1999). It binds cysteinyl leukotrienes, which are neutrophil chemoattractants with potent proinflammatory action. Leukotrienes mediate many features of bronchial asthma such as edema, bronchial constriction, and hyperreactivity (Bisgaard et al., 2000). Selective CysLT1 antagonists are used to treat asthma.</p> <p>The cysteinyl leukotrienes, leukotriene C4 (LTC4), leukotriene D4 (LTD4), and leukotriene E4 (LTE4) activate at least two receptors, CysLT1 and CysLT2, to mediate human bronchial asthma. LTC(4), LTD(4), and LTE(4) are a class of peptide-conjugated lipids formed from arachidonic acid and that are released during activation of mast cells.</p> |
| Uniprot ID: | Q9Y271 |
| NCBI: | NP_006630 |
| GeneID: | 10800 |
| Host: | Rabbit |
| Immunogen: | <p>Synthetic peptide - KLH conjugated Epitope: 3rd extracellular domain of human Gene name: CYSLTR1 Remarks: The immunizing peptide shows 80 % identity (85 % similarity) with mouse and 75 % identity (90 % similarity) with rat.</p> |
| Format: | <p>State: Liquid Ig fraction Purification: Peptide immunogen affinity column Buffer System: PBS, pH 7.7, containing 0.01% sodium azide</p> |
| Applications: | <p>Immunohistochemistry with formalin fixed paraffin embedded tissues: 6 -14 µg/ml. Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0, at 99-100°C for 20 min. Remove from heat and let stand at room temperature in buffer for 20 min. Rinse in 1x TBS with Tween (TBST) for 1 min. at room temperature. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p> |

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

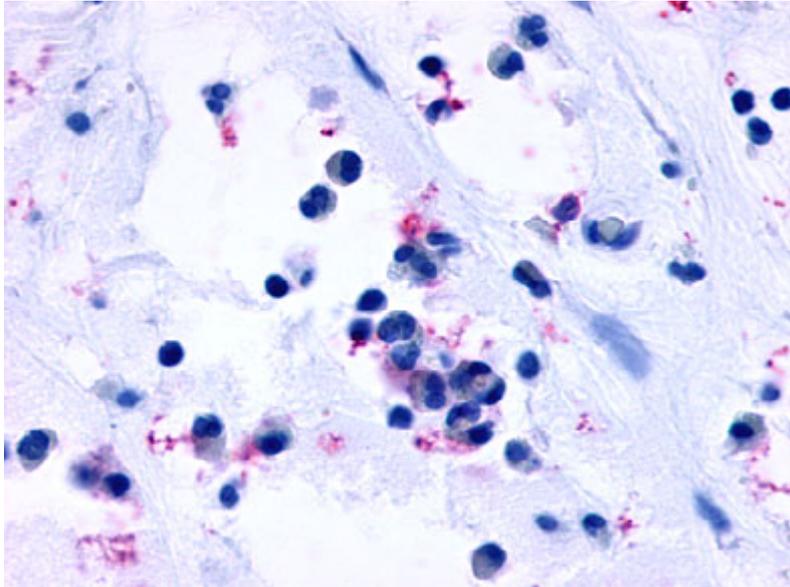
Antibody Hotline - Technical Questions - Antibody Location Service
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Specificity: Reacts with Cysteinyl Leukotriene Receptor 1(Family: GPCR; Subfamily: Chemoattractant).
Species: Human.
Other species not tested.

Add. Information: This product was originally produced by MBL International.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -70°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Pictures:



Immunohistochemical staining of Nasal mucosa (Allergic Rhinitis, Eosinophils) using anti-CYSLTR1 antibody SP4108P

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