

CysLT2 Rabbit pAb

Catalog # AP97374

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9NS75
Other Accession	Q9NS75
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39635
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CysLT2
Epitope Specificity	2-100/346
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the G-protein coupled receptor 1 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The cysteinyl leukotrienes LTC4, LTD4, and LTE4 are important mediators of human bronchial asthma. Pharmacologic studies have determined that cysteinyl leukotrienes activate at least 2 receptors, the protein encoded by this gene and CYSLTR1. This encoded receptor is a member of the superfamily of G protein-coupled receptors. It seems to play a major role in endocrine and cardiovascular systems. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	57105
Other Names	CYSLT2; CYSLT2R; GPCR21; HG57; HPN321; KPG_011; PSEC0146; hGPCR21; CLTR2_HUMAN; CYSLTR2; G-protein coupled receptor GPCR21 (hGPCR21); G-protein coupled receptor HG57; cysteinyl leukotriene receptor 2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CYSLTR2
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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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.