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Rabbit Anti-CysLT2 antibody

SL20055R

Product Name:	CysLT2
Chinese Name:	半胱氨酰白三烯受体2型抗体
Alias:	CLTR2_HUMAN; CYSLT2; CYSLT2R; CYSLTR 2; CysLTR2; Cysteinyl leukotriene CysLT2 receptor; Cysteinyl leukotriene receptor 2; G protein coupled receptor; G protein coupled receptor GPCR21; G protein coupled receptor HG57; G-protein coupled receptor GPCR21; G-protein coupled receptor HG57; GPCR; HG57; hGPCR21; HPN321; PSEC0146.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	40kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CysLT2:2-100/346
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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]

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.

Subcellular Location:
Cell membrane.

Tissue Specificity:
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.

Similarity:
Belongs to the G-protein coupled receptor 1 family.

SWISS:
Q9NS75

Gene ID:
57105

Database links:

Entrez Gene: 57105 Human

Omim: 605666 Human

SwissProt: Q9NS75 Human

Unigene: 253706 Human

Unigene: 614318 Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.