CYSLTR2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CYSLTR2, Polyclonal Antibody
Full Product Name	CYSLTR2 antibody
Product Gene Name	anti-CYSLTR2 antibody
Product Synonym Names	Polyclonal CYSLTR2; Anti-CYSLTR2; cyslt2; cysteinyl leukotriene receptor 2; CYSLTR2; psec0146; CysLT-2; CYSLTR -2; CYSLTR 2; cysteinyl leukotriene 2 receptor
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Purified by Immunoaffinity Chromatography and supplied in PBS with 0.1% NaN3.
Purity/Purification	CYSLTR2 antibody was purified by affinity chromatography.
Concentration	1.0 mg/ml (lot specific)
Specificity	Human
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -70 degree C for long term storage. Avoid repeated freeze/thaw cycles.
Molecular Weight	39,635 Da
OMIM	605666
3D Structure	ModBase 3D Structure for Q9NS75
Biohazard Information	This product contains sodium azide as preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.
Immunogen	CYSLTR2 antibody was raised in rabbit using a synthetic peptide conjugated to KLH as the immunogen.
Product Categories/Family for anti-CYSLTR2 antibody	Signal Transduction
Applications Tested/Suitable for anti-CYSLTR2 antibody	Immunohistochemistry (IHC) Paraffin
Application Notes for anti-CYSLTR2 antibody	IHC-P: 10 ug/ml
Related Product Information for anti-CYSLTR2 antibody	MBS535491 is an antibody targeting CYSLTR2. Also known as CYSLTR2 antibody. Reactive in Human. Host: Rabbit. Rabbit polyclonal CYSLTR2 antibody
Other Notes	Small volumes of anti-CYSLTR2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CYSLTR2. It may not necessarily be applicable to this product.

NCBI GI #	37362411
NCBI GeneID	57105

NCBI Accession #	AAQ91330.1
UniProt Primary Accession #	Q9NS75
UniProt Secondary Accession #	Q9HCQ2
UniProt Related Accession #	Q9NS75
NCBI Official Full Name	cysteinyl leukotriene receptor 2
NCBI Official Synonym Full Names	cysteinyl leukotriene receptor 2
NCBI Official Symbol	CYSLTR2
NCBI Official Synonym Symbols	HG57; CYSLT2; GPCR21; HPN321; CYSLT2R; KPG_011; hGPCR21; PSEC0146
UniProt Protein Name	Cysteinyl leukotriene receptor 2
UniProt Synonym Protein Names	G-protein coupled receptor GPCR21; hGPCR21; G-protein coupled receptor HG57; HPN321
Protein Family	Cysteinyl leukotriene receptor
UniProt Gene Name	CYSLTR2
UniProt Synonym Gene Names	CYSLT2; CYSLT2R; CysLTR2; hGPCR21
UniProt Entry Name	CLTR2_HUMAN
NCBI Protein Information	cysteinyl leukotriene receptor 2
NCBI Summary for CYSLTR2	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]
UniProt Comments for CYSLTR2	CYSLTR2: 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. Belongs to the G-protein coupled receptor 1 family. Protein type: Receptor, GPCR; Membrane protein, multi-pass; GPCR, family 1; Membrane protein, integral Chromosomal Location of Human Ortholog: 13q14.2 Cellular Component: plasma membrane; integral to membrane Molecular Function: protein binding; cysteinyl leukotriene receptor activity; leukotriene receptor activity Biological Process: G-protein coupled receptor protein signaling pathway; positive regulation of angiogenesis; immune response
Research Articles on CYSLTR2	**1.** Suggest that endothelial and nonendothelial CysLT2R niches have separate roles in mediating inflammatory responses in ischemic/perfusion injury.
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