

Summary

Production Name	CysLTR2 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	CYSLTR2
Alternative Names	CYSLTR2; CYSLT2; CYSLT2R; PSEC0146; Cysteinyl leukotriene receptor 2; CysLTR2; G-protein coupled receptor GPCR21; hGPCR21; G-protein coupled receptor HG57; HPN321
Gene ID	57105.0
SwissProt ID	Q9NS75.The antiserum was produced against synthesized peptide derived from human CYSLTR2. AA range:281-330

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
Molecular Weight	40kD

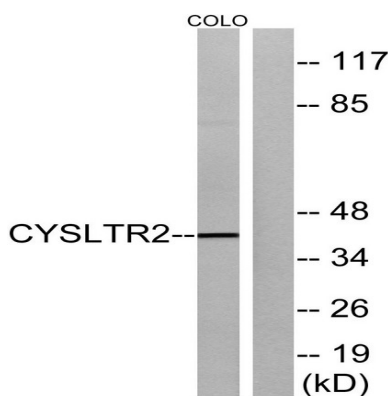
Background

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

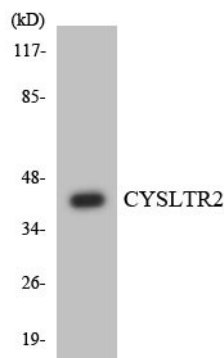
Research Area

Calcium;Neuroactive ligand-receptor interaction;

Image Data



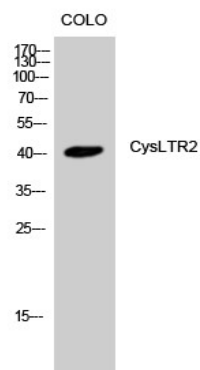
Western blot analysis of lysates from COLO cells, using CYSLTR2 Antibody. The lane on the right is blocked with the synthesized peptide.



Product Name: CysLTR2 Rabbit Polyclonal Antibody
Catalog #: APRab09685



Western blot analysis of the lysates from HT-29 cells using CysLTR2 antibody.



Western Blot analysis of COLO cells using CysLTR2 Polyclonal Antibody

Note

For research use only.