Best Tools for immunology Research

CysLTR2 Polyclonal Antibody

Catalog No :	YT1246
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IF;ELISA
Target :	CysLTR2
Fields :	>>Calcium signaling pathway;>>Neuroactive ligand-receptor interaction
Gene Name :	CYSLTR2
Protein Name :	Cysteinyl leukotriene receptor 2
Human Gene Id :	57105
Human Swiss Prot No :	Q9NS75
Mouse Swiss Prot No :	Q920A1
Immunogen :	The antiserum was produced against synthesized peptide derived from human CLTR2. AA range:281-330
Specificity :	CysLTR2 Polyclonal Antibody detects endogenous levels of CysLTR2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:40000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 35kD

Cell Pathway : Calcium;Neuroactive ligand-receptor interaction;

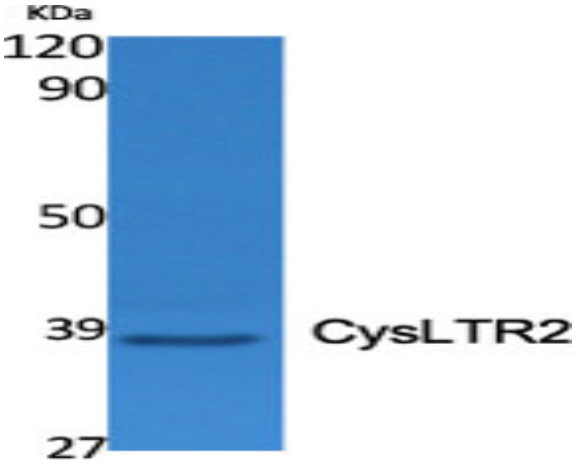
Background : The cysteinyl leukotrienes LTC4, LTD4, and LTE4 are important mediators of human bronchial asthma. Pharmacologic studies have determined that cysteinyl leukotrienes activate at least 2 receptors, the protein encoded by this gene and CYSLTR1. This encoded receptor is a member of the superfamily of G protein-coupled receptors. It seems to play a major role in endocrine and cardiovascular systems. [provided by RefSeq, Jul 2008],

Function : 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.,

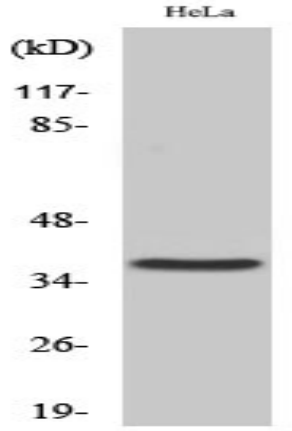
Subcellular Location : Cell membrane; Multi-pass membrane protein.

Expression : 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.

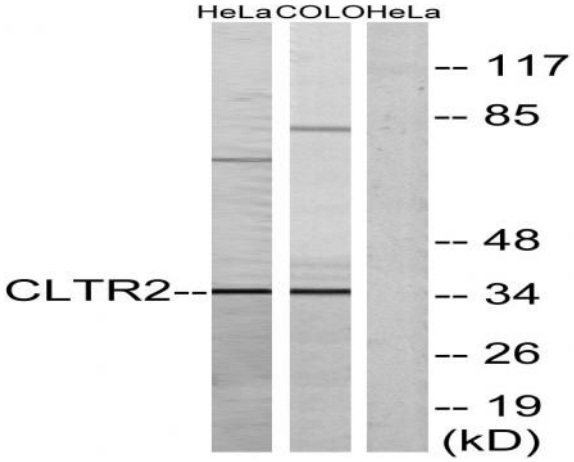
Products Images



Western Blot analysis of various cells using CysLTR2 Polyclonal Antibody



Western Blot analysis of HeLa cells using CysLTR2 Polyclonal Antibody



Western blot analysis of lysates from HeLa and COLO cells, using CLTR2 Antibody. The lane on the right is blocked with the synthesized peptide.