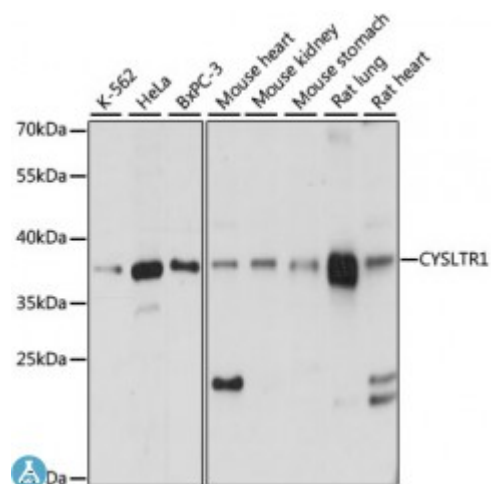


Anti-CYSLTR1 Antibody



Description

This gene encodes a member of the G-protein coupled receptor 1 family. The encoded protein is a receptor for cysteinyl leukotrienes, and is involved in mediating bronchoconstriction via activation of a phosphatidylinositol-calcium second messenger system. Activation of the encoded receptor results in contraction and proliferation of bronchial smooth muscle cells, eosinophil migration, and damage to the mucus layer in the lung. Upregulation of this gene is associated with asthma and dysregulation may also be implicated in cancer. Alternative splicing results in multiple transcript variants.

Model	STJ117786
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human CYSLTR1 (NP_006630.1).
Gene ID	10800
Gene Symbol	CYSLTR1
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Widely expressed, with highest levels in spleen and peripheral blood leukocytes, Lower expression in several tissues, such as lung (mostly in smooth muscle bundles and alveolar macrophages), placenta, small intestine, pancreas, colon and heart
Purification	Affinity purification

Note	For Research Use Only (RUO).
Protein Name	Cysteinyl leukotriene receptor 1 CysLTR1 Cysteinyl leukotriene D4 receptor LTD4 receptor G-protein coupled receptor HG55 HMTMF81
Molecular Weight	38.541 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:17451 OMIM:300201 Reactome:R-HSA-391906
Alternative Names	Cysteinyl leukotriene receptor 1 CysLTR1 Cysteinyl leukotriene D4 receptor LTD4 receptor G-protein coupled receptor HG55 HMTMF81
Function	Receptor for cysteinyl leukotrienes mediating bronchoconstriction of individuals with and without asthma, Stimulation by LTD4 results in the contraction and proliferation of smooth muscle, edema, eosinophil migration and damage to the mucus layer in the lung, This response is mediated via a G-protein that activates a phosphatidylinositol-calcium second messenger system, The rank order of affinities for the leukotrienes is LTD4 >> LTE4 = LTC4 >> LTB4
Cellular Localization	Cell membrane