

CysLTR1 Polyclonal Antibody

Catalog # AP69426

Product Information

Application WB, IF
Primary Accession Q9Y271
Reactivity Human
Host Rabbit
Clonality Polyclonal
Calculated MW 38541

Additional Information

Gene ID 10800

Other Names CYSLTR1; CYSLT1; Cysteinyl leukotriene receptor 1; CysLTR1; Cysteinyl

leukotriene D4 receptor; LTD4 receptor; G-protein coupled receptor HG55;

HMTMF81

Dilution WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000.

ELISA: 1/5000. Not yet tested in other applications. IF~~1:50~200

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

Protein Information

Name CYSLTR1

Synonyms CYSLT1

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 Location Cell membrane; Multi-pass membrane protein.

Tissue Location Widely expressed, with highest levels in spleen and peripheral blood

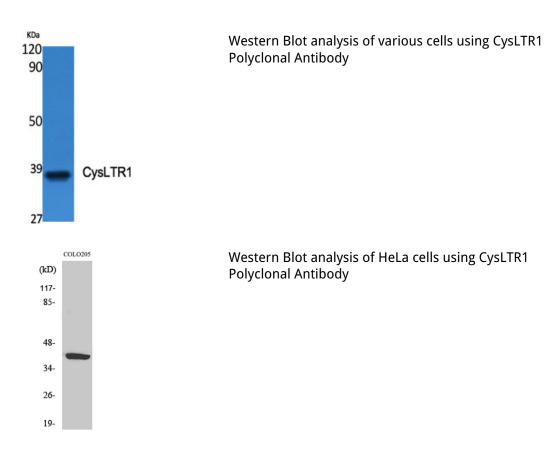
leukocytes. Lower expression in several tissues, such as lung (mostly in smooth muscle bundles and alveolar macrophages), placenta, small intestine,

pancreas, colon and heart

Background

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.

Images



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