BT LAB
Bioassay Technology Laboratory
Optimize Your Research

CysLTR1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP02437
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human CLTR1. AA range:131-180
Mol wt	38541
Species reactivity	Human, Monkey
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	CysLTR1 Antibody
Synonyms	CYSLTR1; CYSLT1; Cysteinyl leukotriene receptor 1; CysLTR1; Cysteinyl leukotriene D4 receptor; LTD4 receptor; G-protein coupled receptor HG55; HMTMF81

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

CYSLTR1 encodes a member of the G-protein coupled receptor 1 family. The cysteinyl leukotriene receptor 1 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.

Recommended Dilution

WB: 1: 500 - 1: 2000

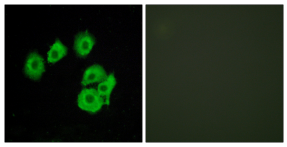
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

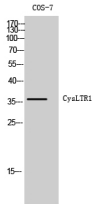
ELISA: 1: 10000

Not yet tested in other applications.

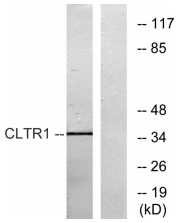
Images



Immunofluorescence analysis of HUVEC cells, using CLTR1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of COS-7 cells using CysLTR1 Polyclonal Antibody



Western blot analysis of lysates from COS7 cells, using CLTR1 Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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