

CysLTR1 Polyclonal Antibody
Catalog # AP69426**Specification**

CysLTR1 Polyclonal Antibody - Product Information

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

CysLTR1 Polyclonal Antibody - 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

CysLTR1 Polyclonal Antibody - 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

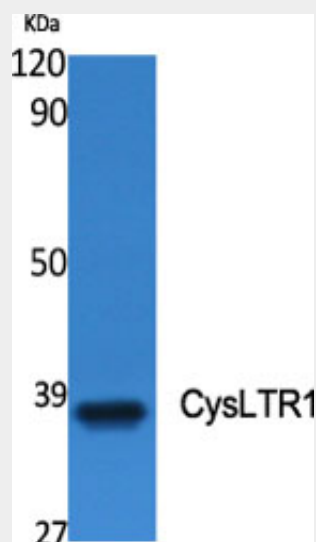
in several tissues, such as lung (mostly in smooth muscle bundles and alveolar macrophages), placenta, small intestine, pancreas, colon and heart

CysLTR1 Polyclonal Antibody - Protocols

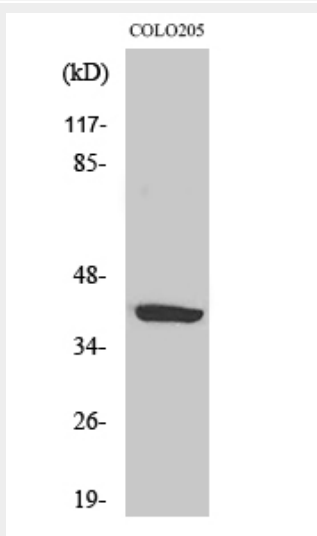
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

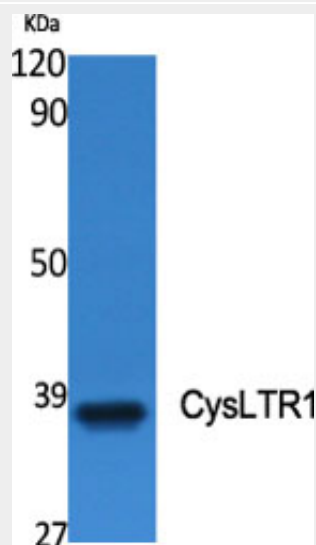
CysLTR1 Polyclonal Antibody - Images



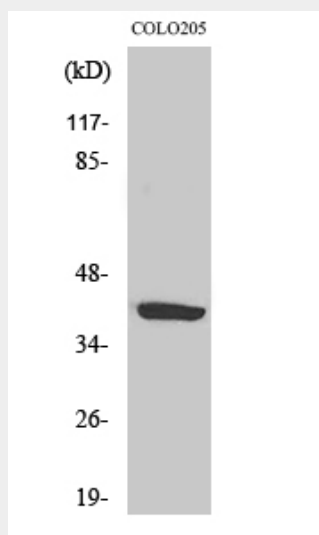
Western Blot analysis of various cells using CysLTR1 Polyclonal Antibody



Western Blot analysis of HeLa cells using CysLTR1 Polyclonal Antibody



Western Blot analysis of various cells using CysLTR1 Polyclonal Antibody



Western Blot analysis of HeLa cells using CysLTR1 Polyclonal Antibody

CysLTR1 Polyclonal Antibody - 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.