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CYSLTR1 / CYSLT1 Antibody (aa131-180)

Rabbit Polyclonal Antibody
Catalog # ALS16550

Specification

CYSLTR1 / CYSLT1 Antibody (aa131-180) - Product Information

Application	**IHC, IF, WB**
Primary Accession	Q9Y271
Other Accession	10800
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**38541**

CYSLTR1 / CYSLT1 Antibody (aa131-180) - Additional Information

Gene ID 10800

Other Names
CYSLTR1, Cys-LT1 receptor, CysLT(1), Cys-leukotriene-1 receptor, CYSLT1, CYSLT1R, CYSLTR, HG55, LTD4 receptor, HMTMF81, Cysteinyl lt1 receptor

Target/Specificity
CLTR1 Antibody detects endogenous levels of total CLTR1 protein.

Reconstitution & Storage
PBS (without Mg2+, Ca2+), pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol. Store at -20°C for up to one year.

Precautions
CYSLTR1 / CYSLT1 Antibody (aa131-180) is for research use only and not for use in diagnostic or therapeutic procedures.

CYSLTR1 / CYSLT1 Antibody (aa131-180) - 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

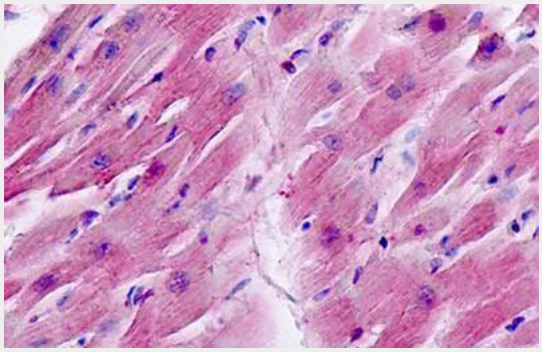
Volume
50 µl

CYSLTR1 / CYSLT1 Antibody (aa131-180) - Protocols

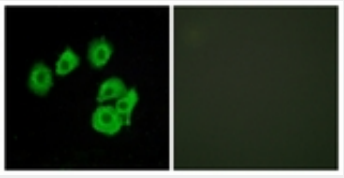
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CYSLTR1 / CYSLT1 Antibody (aa131-180) - Images

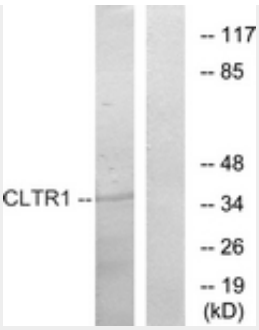


Anti-CYSLTR1 / CYSLT1 antibody IHC staining of human heart.



Immunofluorescence of HUVEC cells, using CLTR1 Antibody.

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Western blot of extracts from COS7 cells, using CLTR1 Antibody.

CYSLTR1 / CYSLT1 Antibody (aa131-180) - 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.

CYSLTR1 / CYSLT1 Antibody (aa131-180) - References

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Sarau H.M.,et al.Mol. Pharmacol. 56:657-663(1999).
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Ota T.,et al.Nat. Genet. 36:40-45(2004).
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