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CYSLTR1 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14661

Specification

CYSLTR1 antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	Q9Y271
Other Accession	NM_006639, NP_006630
Reactivity	**Human, Rabbit, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Rabbit, Pig, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**37kDa KDa**

CYSLTR1 antibody - C-terminal region - Additional Information

Gene ID 10800

Alias Symbol	**CYSLT1, CYSLT1R, CYSLTR, HG55, HMTMF81, MGC46139**

Other Names
Cysteinyl leukotriene receptor 1, CysLTR1, Cysteinyl leukotriene D4 receptor, LTD4 receptor, G-protein coupled receptor HG55, HMTMF81, CYSLTR1, CYSLT1

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-CYSLTR1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
CYSLTR1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

CYSLTR1 antibody - C-terminal region - 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.

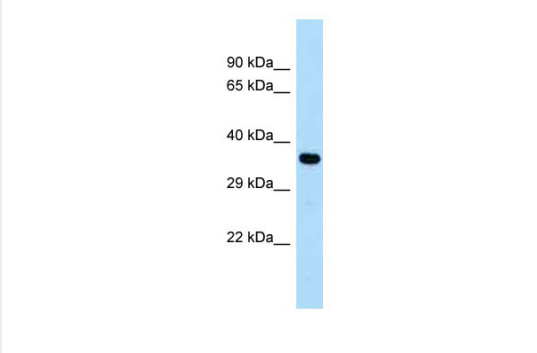
Tissue Location
Widely expressed, with highest levels in spleen and peripheral blood leukocytes. Lower expression in several tissues, such as lung (mostly in smooth muscle bundles and alveolar macrophages), placenta, small intestine, pancreas, colon and heart

CYSLTR1 antibody - C-terminal region - 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 antibody - C-terminal region - Images



WB Suggested Anti-CYSLTR1 Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Heart

CYSLTR1 antibody - C-terminal region - References

Lynch K.R.,et al.Nature 399:789-793(1999).
Sarau H.M.,et al.Mol. Pharmacol. 56:657-663(1999).
Warren C.N.,et al.Submitted (FEB-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Ross M.T.,et al.Nature 434:325-337(2005).