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CYSLTR1 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14661

Product Information

Application	WB
Primary Accession	Q9Y271
Other Accession	NM_006639, NP_006630
Reactivity	Human, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Rabbit, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38541

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.

Protein Information

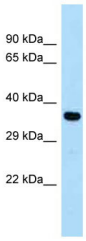
Name	CYSLTR1
Synonyms	CYSLT1
Function	Receptor for cysteinyl leukotrienes mediating bronchoconstriction of individuals with and without asthma. Stimulation by LTD4 results in the contraction and proliferation of smooth muscle, edema, eosinophil migration and damage to the mucus layer in the lung. This 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

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).

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.