

Rabbit anti-Human, Rat CYSLTR1 Polyclonal Antibody | anti-CYSLTR1 antibody

CYSLTR1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325481	Rabbit	Human, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

CYSLTR1; Polyclonal Antibody; CYSLTR1 Antibody; CLTR1_HUMAN; CYSLT 1; CysLT(1); CYSLT1R; CYSLTR 1; CYSLTR; CysLTR vide supra; CysLTR1; Cysteinyl leukotriene D4 receptor; Cysteinyl leukotriene receptor 1; G-protein coupled receptor HG55; HG55; HMTMF81; LTD4 receptor; MGC46139; anti-CYSLTR1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CYSLTR1 antibody detects endogenous levels of total CYSLTR1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	337
Applicable Applications for anti-CYSLTR1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane
Tissue Specificity	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.
Predicted Cross Reactivity	Rabbit
Similarity	Rabbit (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from rat brain, using CYSLTR1 Antibody.



IF (Immunofluorescence)

AAA325481 staining COLO205 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HeLa cells using CYSLTR1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CYSLTR1 antibody

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.

Similarity: Belongs to the G-protein coupled receptor 1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	532164733
NCBI GeneID	10800
NCBI Accession #	NP_001269115.1
NCBI GenBank Nucleotide #	NM_001282186.1
UniProt Accession #	Q9Y271; Q5JS94; Q8IV19; B2R954; D3DTE4
Molecular Weight	Observed: 38 kD Predicted: 39 kDa
NCBI Official Full Name	cysteinyl leukotriene receptor 1
NCBI Official Synonym Full Names	cysteinyl leukotriene receptor 1
NCBI Official Symbol	CYSLTR1
NCBI Official Synonym Symbols	CYSLT1; CYSLTR; CYSLT1R; HMTMF81
NCBI Protein Information	cysteinyl leukotriene receptor 1
UniProt Protein Name	Cysteinyl leukotriene receptor 1
UniProt Gene Name	CYSLTR1
UniProt Synonym Gene Names	CYSLT1; CysLTR1; LTD4 receptor

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.