

## Product datasheet for **AP01264PU-M**

### CysLT1 (CYSLTR1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, WB
Recommended Dilution:	<b>Western blot:</b> 1/500-1/1000. <b>Immunofluorescence:</b> 1/50-1/200.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 139-188 of Human CysLTR1.
Specificity:	This antibody detects endogenous levels of CYSLTR1 protein (region surrounding Lys172).
Formulation:	Phosphate buffered saline (PBS), pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 38 kDa
Gene Name:	cysteinyl leukotriene receptor 1
Database Link:	<a href="#">Entrez Gene 10800 Human Q9Y271</a>



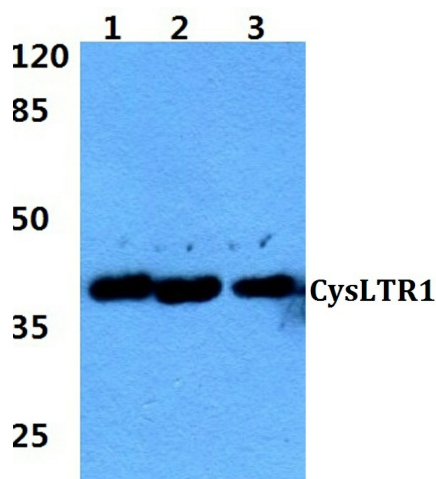
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**Background:**

Cysteinyl leukotriene (CysLTs) induce intracellular calcium mobilization through the binding of two distinct seven-transmembrane, G protein-coupled receptors, designated CysLT1 and CysLT2 receptors, to induce potent bronchoconstriction. Airway smooth muscle and macrophages express both receptor types, and additionally monocytes and eosinophils express CysLT1 receptor, while cardiac Purkinje cells, adrenal medulla, peripheral blood leukocytes and brain also utilize CysLT2 receptor. The effects of the CysLT receptors can be blocked by antagonists, indicating a therapeutic mechanism for the treatment of asthma and allergies.

**Synonyms:**

Cysteinyl leukotriene receptor 1, CysLTR1, LTD4 receptor, HG55, HMTMF81

**Product images:**


Western blot (WB) analysis of CysLTR1 antibody at 1/500 dilution. Lane 1: Hela whole cell lysate. Lane 2: HEK293T whole cell lysate. Lane 3: Rat brain tissue lysate.