

产品名称: CysLTR1 Rabbit Polyclonal Antibody
产品货号: APRab09683



产品概述 (Summary)

产品名称 (Production Name)	CysLTR1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB, ICC/IF, ELISA
种属反应性 (Reactivity)	Human, Rat, Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CYSLTR1 CYSLTR1; CYSLT1; Cysteinyl leukotriene receptor 1; CysLTR1; Cysteinyl leukotriene D4 receptor; LTD4 receptor; G-protein coupled receptor HG55; HMTMF81
别名 (Alternative Names)	
基因 ID (Gene ID)	10800.0
蛋白 ID (SwissProt ID)	Q9Y271. The antiserum was produced against synthesized peptide derived from human CYSLTR1. AA range:131-180

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000, ICC/IF 1:200-1:1000, ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	38kDa

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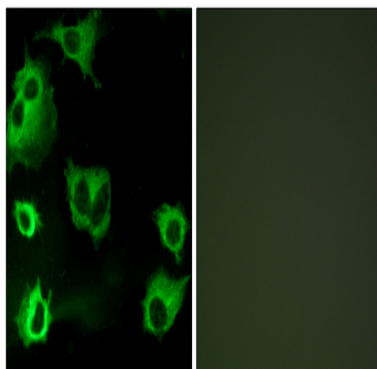
研究背景 (Background)

This gene encodes a member of the G-protein coupled receptor 1 family. The encoded protein is a receptor for cysteinyl leukotrienes, and is involved in mediating bronchoconstriction via activation of a phosphatidylinositol-calcium second messenger system. Activation of the encoded receptor results in contraction and proliferation of bronchial smooth muscle cells, eosinophil migration, and damage to the mucus layer in the lung. Upregulation of this gene is associated with asthma and dysregulation may also be implicated in cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013],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.,miscellaneous:Selective antagonists, such as montelukast (Singulair), zafirlukast (Accolate) and pranlukast (Onon), are used in the treatment of the asthma crisis.,similarity:Belongs to the G-protein coupled receptor 1 family.,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.,

研究领域 (Research Area)

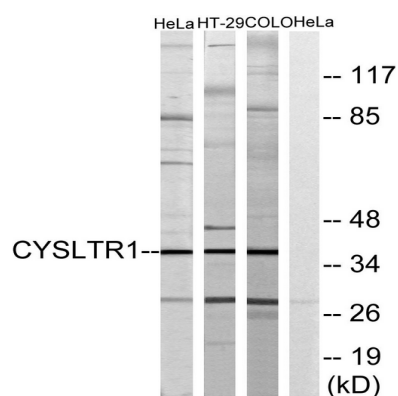
Calcium;Neuroactive ligand-receptor interaction;

图片 (Image Data)

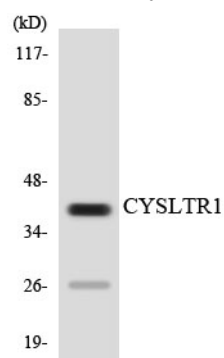


Immunofluorescence analysis of COS7 cells, using CYSLTR1 Antibody. The picture on the right is blocked with the synthesized peptide.

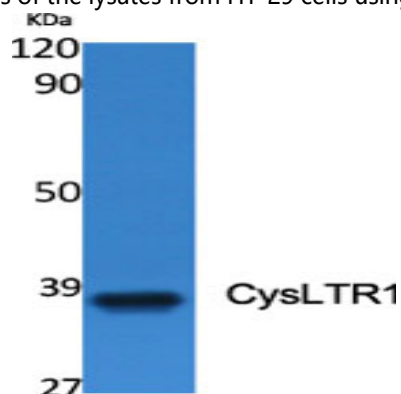
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Western blot analysis of lysates from COLO205, HT-29, and HeLa cells, using CYSLTR1 Antibody. The lane on the right is blocked with the synthesized peptide.

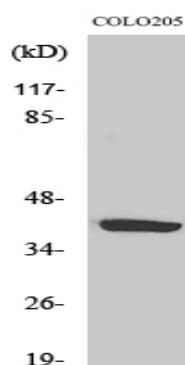


Western blot analysis of the lysates from HT-29 cells using CYSLTR1 antibody.



Western Blot analysis of various cells using CysLTR1 Polyclonal Antibody

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Western Blot analysis of HeLa cells using CysLTR1 Polyclonal Antibody

注意事项 (Note)

For research use only .