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Anti-CD213a2 Antibody

Catalog # AP60468

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q14627
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44176

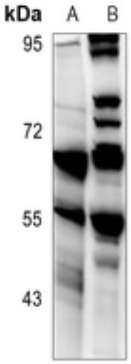
Additional Information

Gene ID	3598
Other Names	IL13R; Interleukin-13 receptor subunit alpha-2; IL-13 receptor subunit alpha-2; IL-13R subunit alpha-2; IL-13R-alpha-2; IL-13RA2; Interleukin-13-binding protein; CD213a2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD213a2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

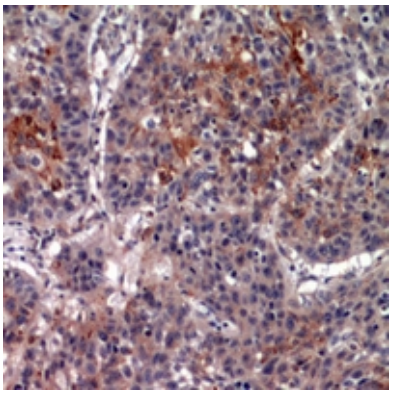
Protein Information

Name	IL13RA2
Synonyms	IL13R
Function	Cell surface receptor that plays a role in the regulation of IL-13-mediated responses (PubMed:11861389, PubMed:17030238). Functions as a decoy receptor that inhibits IL-13- and IL-4-mediated signal transduction via the JAK-STAT pathway and thereby modulates immune responses and inflammation (PubMed:11861389, PubMed:17030238). Serves as a functional signaling receptor for IL-13 in an alternative pathway involving AP-1 ultimately leading to the production of TGFB1 (PubMed:16327802).
Cellular Location	Cell membrane; Single-pass type I membrane protein

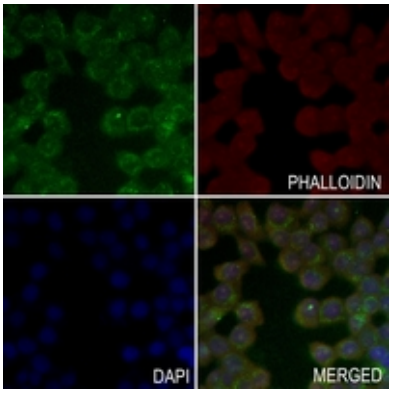
Images



Western blot analysis of CD213a2 expression in mouse testis (A), rat brain (B) whole cell lysates. (Predicted band size: 44 kD; Observed band size: 65; 55 kD)



Immunohistochemical analysis of CD213a2 staining in human lung formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of CD213a2 staining in LO2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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