

Anti-CD213a1 Antibody

Rabbit polyclonal antibody to CD213a1 Catalog # AP60575

Specification

Anti-CD213a1 Antibody - Product Information

Application WB, IF
Primary Accession P78552
Other Accession 009030

Reactivity Human, Mouse, Monkey

Host Rabbit
Clonality Polyclonal
Calculated MW 48760

Anti-CD213a1 Antibody - Additional Information

Gene ID 3597

Other Names

IL13R; IL13RA; Interleukin-13 receptor subunit alpha-1; IL-13 receptor subunit alpha-1; IL-13R subunit alpha-1; IL-13RA1; Cancer/testis antigen 19; CT19; CD213a1

Target/Specificity

Recognizes endogenous levels of CD213a1 protein.

Dilution

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500), IP (1/10 - 1/100) IF~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500), IP (1/10 - 1/100)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Anti-CD213a1 Antibody - Protein Information

Name IL13RA1

Synonyms IL13R, IL13RA

Function

Binds with low affinity to interleukin-13 (IL13). Together with IL4RA can form a functional receptor for IL13. Also serves as an alternate accessory protein to the common cytokine receptor gamma chain for interleukin-4 (IL4) signaling, but cannot replace the function of IL2RG in allowing enhanced interleukin-2 (IL2) binding activity.



Cellular Location

Membrane; Single-pass type I membrane protein.

Tissue Location

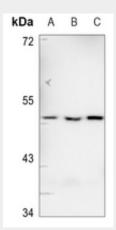
Ubiquitous. Highest levels in heart, liver, skeletal muscle and ovary; lowest levels in brain, lung and kidney Also found in B-cells, T-cells and endothelial cells

Anti-CD213a1 Antibody - Protocols

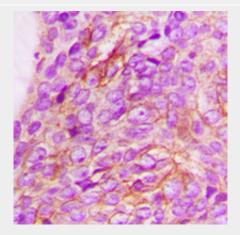
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CD213a1 Antibody - Images



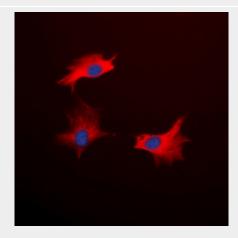
Western blot analysis of CD213a1 expression in HEK293T (A), Hela (B), HGC27 (C) whole cell lysates.



Immunohistochemical analysis of CD213a1 staining in human breast cancer 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 CD213a1 staining in MCF7 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 DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Anti-CD213a1 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human CD213a1. The exact sequence is proprietary.