

## IL-13R Alpha1 Polyclonal Antibody

### Description

|                                |                                                                                                                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product type</b>            | Primary Antibody                                                                                                                                                                                      |
| <b>Code</b>                    | BT-AP04440                                                                                                                                                                                            |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                   |
| <b>Size</b>                    | 20ul, 50ul, 100ul                                                                                                                                                                                     |
| <b>Immunogen</b>               | The antiserum was produced against synthesized peptide derived from human IL-13R/CD213 alpha1. AA range:371-420                                                                                       |
| <b>Mol wt</b>                  | 48760                                                                                                                                                                                                 |
| <b>Species reactivity</b>      | Human, Mouse, Rat                                                                                                                                                                                     |
| <b>Clonality</b>               | Polyclonal                                                                                                                                                                                            |
| <b>Recommended application</b> | WB, IHC-p, IF, ELISA                                                                                                                                                                                  |
| <b>Concentration</b>           | 1 mg/ml                                                                                                                                                                                               |
| <b>Full name</b>               | IL-13Ralpha1 Antibody                                                                                                                                                                                 |
| <b>Synonyms</b>                | IL13RA1; IL13R; IL13RA; Interleukin-13 receptor subunit alpha-1; IL-13 receptor subunit alpha-1; IL-13R subunit alpha-1; IL-13R-alpha-1; IL-13RA1; Cancer/testis antigen 19; CT19; CD antigen CD213a1 |

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

Interleukin-13 receptor subunit alpha-1 encoded by IL13RA1 is a subunit of the interleukin 13 receptor. This subunit forms a receptor complex with IL4 receptor alpha, a subunit shared by IL13 and IL4 receptors. This subunit serves as a primary IL13-binding subunit of the IL13 receptor, and may also be a component of IL4 receptors. This protein has been shown to bind tyrosine kinase TYK2, and thus may mediate the signaling processes that lead to the activation of JAK1, STAT3 and STAT6 induced by IL13 and IL4.

### Recommended Dilution

WB: 1: 500 - 1: 2000

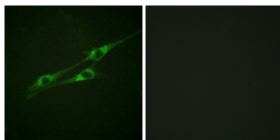
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

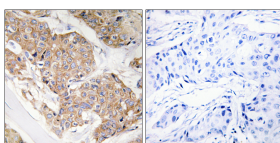
ELISA: 1: 10000

Not yet tested in other applications.

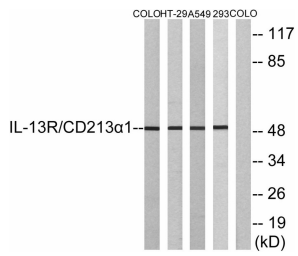
### Images



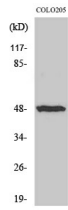
Immunofluorescence analysis of NIH/3T3 cells, using IL-13R/CD213 alpha1 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using IL-13R/CD213 alpha1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO, HT-29, A549, and 293 cells, using IL-13R/CD213 alpha1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using IL-13R alpha1 Polyclonal Antibody diluted at 1:1000

### Storage

-20°C for one year

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