

Anti-IL-13 receptor alpha 1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

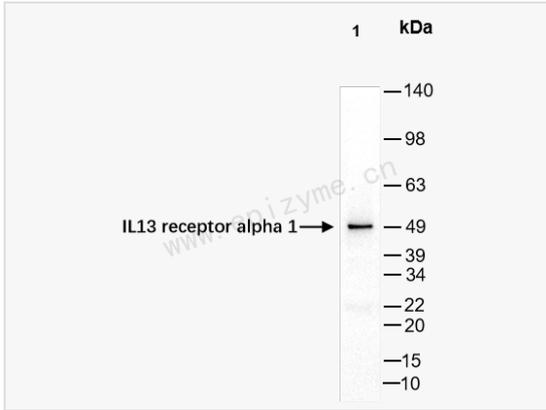
Catalog # R015207

Product Information

| | |
|-------------|---|
| Application | WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA |
| Reactivity | Human |
| Dilution | WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200 |
| Host | Rabbit |
| Clonality | Monoclonal |
| Clone No. | 23T49K80 |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | A synthesized peptide derived from human IL13 receptor alpha 1 |
| Format | Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3. |
| Storage | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-IL-13 receptor alpha 1 Rabbit mAb [23T49K80] is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

| | |
|-------------------|---|
| Synonyms | bB128O4.2.1 (interleukin 13 receptor, alpha 1); Cancer/testis antigen 19; CD213a1; CD213A1 Antigen; CT 19; CT19; I13R1_HUMAN; IL 13 receptor subunit alpha 1; IL 13R alpha 1; IL 13R subunit alpha 1; IL 13Ra; IL 13RA1; IL-13 receptor subunit alpha-1; IL-13R subunit alpha-1; IL-13R-alpha-1; IL-13RA1; IL13 receptor alpha 1 chain; IL13R; IL13RA; I113ra1; Interleukin 13 receptor alpha 1; Interleukin 13 receptor alpha 1 chain; interleukin 13 receptor subunit alpha 1; Interleukin-13 receptor subunit alpha-1; NR 4; NR4. |
| Calculated MW | Calculated MW: 49 kDa; Observed MW: 49 kDa |
| Uniprot ID | P78552 |
| Gene ID | 3597 |
| Background | The protein encoded by this gene 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. [provided by RefSeq, Jul 2008]. |
| Cellular Location | Membrane. |
| 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. |



Western Blot - Anti-IL-13 receptor alpha 1 Rabbit mAb [23T49K80]

All lanes: R015207 at 1:1,000 dilution

Lane 1: Huh1 (Human hepatocarcinoma epithelial cell) whole cell lysates

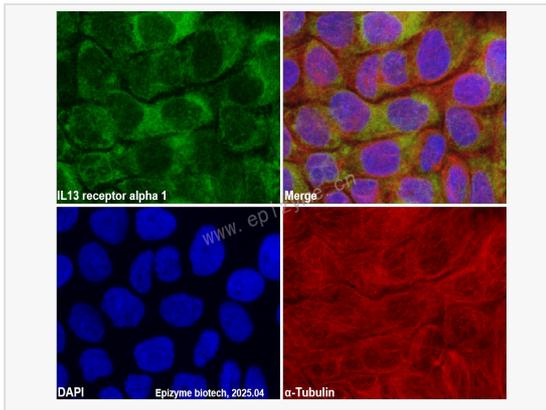
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 49 kDa

Observed band size: 49 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-IL-13 receptor alpha 1 Rabbit mAb [23T49K80]

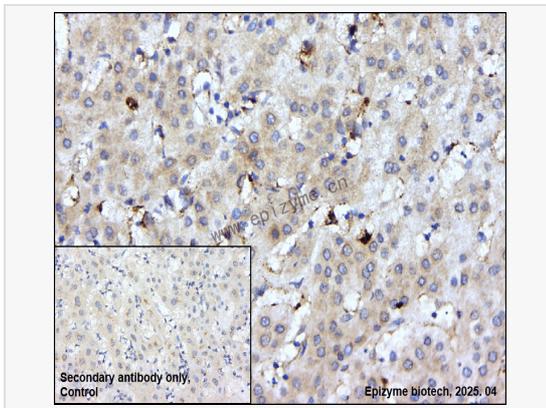
Sample: A431 cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R015207 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-IL-13 receptor alpha 1 Rabbit mAb [23T49K80]

Sample: Paraformaldehyde-fixed, paraffin embedded human hepatoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

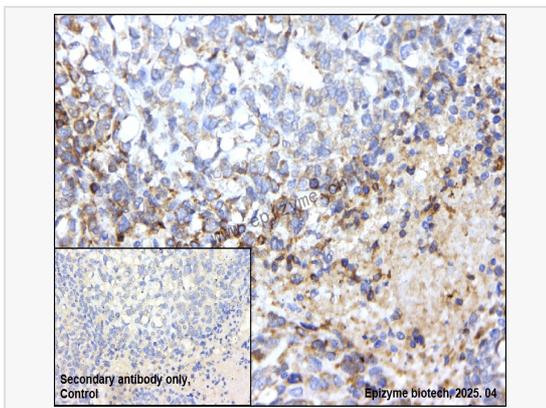
Primary antibody: R015207 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-IL-13 receptor alpha 1 Rabbit mAb [23T49K80]

Sample: Paraformaldehyde-fixed, paraffin embedded human ovarian cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R015207 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.