

Datasheet for ABIN2854528
anti-IL13 Receptor alpha 1 antibody[Go to Product page](#)

2 Images

1 Publication

Overview

| | |
|--------------|--|
| Quantity: | 100 µL |
| Target: | IL13 Receptor alpha 1 (IL13RA1) |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This IL13 Receptor alpha 1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

| | |
|-------------------|---|
| Immunogen: | Recombinant protein encompassing a sequence within the center region of human IL13 Receptor alpha 1. The exact sequence is proprietary. |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Rabbit Polyclonal antibody to IL13 Receptor alpha 1 (interleukin 13 receptor, alpha 1) IL13 Receptor alpha 1 antibody |
| Purification: | Purified by antigen-affinity chromatography. |

Target Details

| | |
|-------------------|--|
| Target: | IL13 Receptor alpha 1 (IL13RA1) |
| Alternative Name: | interleukin 13 receptor subunit alpha 1 (IL13RA1 Products) |

Target Details

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.

Cellular Localization: Membrane, Single-pass type I membrane protein

Molecular Weight: 49 kDa

Gene ID: 3597

UniProt: [P78552](#)

Pathways: [JAK-STAT Signaling](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#)

Application Details

Application Notes: WB: 1:5000-1:20000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: U87-MG , U87-MG membrane extract , IL13RA1-transfected 293T
Validation: Orthogonal, Overexpression

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 2.51 mg/mL

Buffer: 1XPBS (pH 7), 20 % Glycerol, 0.025 % ProClin 300

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

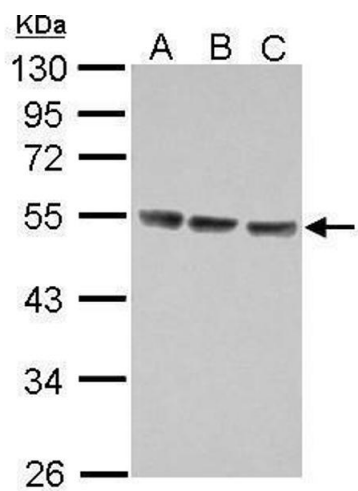
Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid

multiple freeze-thaw cycles.

Publications

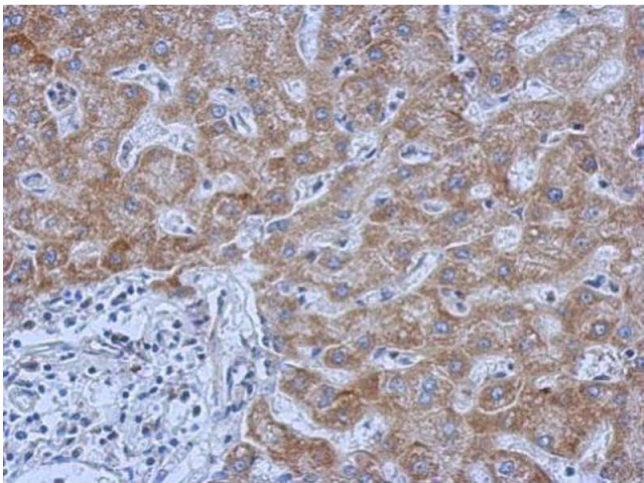
Product cited in: Fang, Lin, Liang, Liang: "A novel c-Kit/phospho-prohibitin axis enhances ovarian cancer stemness and chemoresistance via Notch3-PBX1 and β -catenin-ABCG2 signaling." in: **Journal of biomedical science**, Vol. 27, Issue 1, pp. 42, (2020) ([PubMed](#)).

Images



Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: Jurkat B: Raji C: K562 10% SDS PAGE antibody diluted at 1:5000



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded human hepatoma, using IL13 Receptor alpha 1, antibody at 1:500 dilution.