

Anti-IL-13 Receptor alpha 1 Antibody

0902-4



Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity:	Human, Mouse
Applications:	WB
Molecular Wt:	Predicted band size: 49kDa

Description: Interleukin 13 receptor, alpha 1 encoded by gene *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. Together with IL4R-alpha it can form a functional receptor for IL13. IL13Ra1 also serves as an alternate accessory protein to the common cytokine receptor gamma chain for IL4 signaling.

Immunogen: Synthetic peptide within Human IL13Ra1 aa 102-151 / 427.

Positive control: D3, HepG2, Hela

Subcellular location: Membrane

Database links: SwissProt: P78552 Human

Recommended Dilutions:

WB 1:500-1:1,000

Storage Buffer: 1*PBS (pH7.4), 0.2% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Purity: Immunogen affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

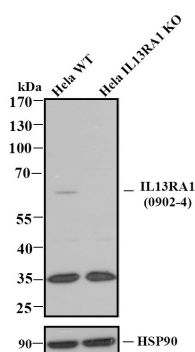
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Fig1: All lanes: Western blot analysis of IL13RA1 with anti-IL13RA1 antibody (0902-4) at 1:1,000 dilution.

Lane 1: Wild-type Hela whole cell lysate.

Lane 2: IL13RA1 knockout Hela whole cell lysate.



0902-4 was shown to specifically react with IL13RA1 in Wild-type Hela cells. No band was observed when IL13RA1 knockout samples were tested. Wild-type and IL13RA1 knockout samples were subjected to SDS-PAGE. Proteins were transferred to a PVDF membrane and blocked with 5% NFD in TBST for 1 hour at room temperature. The primary Anti-IL13RA1 antibody (0902-4, 1/1,000) and Anti-HSP90 antibody (ET1605-56, 1/10,000) were used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG H&L (HRP) Secondary Antibody (HA1001) at 1:200,000 dilution was used for 1 hour at room temperature.

Cell lysate was provided by Ubigen Biosciences (Ubigen Biosciences Co., Ltd., Guangzhou, China).



Fig2: Western blot analysis on D3 (A) and HepG2 (B) using anti IL13Ra1 polyclonal antibody.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. "Cloning and characterization of a binding subunit of the interleukin 13 receptor that is also a component of the interleukin 4 receptor." Hilton D.J., Zhang J.-G., Metcalf D., Alexander W.S., Nicola N.A., Willson T.A. Proc. Natl. Acad. Sci. U.S.A. 93:497-501(1996)
2. "The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC)." The MGC Project Team Genome Res. 14:2121-2127(2004)

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