bs-2601R **[Primary Antibody]**

IL5RA Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3568 **SWISS:** Q01344

Target: IL5RA

Immunogen: KLH conjugated synthetic peptide derived from human IL-5R alpha: 11-110/420. < Extracellular >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The protein encoded by this gene is an interleukin 5 specific subunit of a heterodimeric cytokine receptor. The receptor is comprised of a ligand specific alpha subunit and a signal transducing beta subunit shared by the receptors for interleukin 3(IL3), colony stimulating factor 2 (CSF2/GM-CSF), and interleukin 5(IL5). The binding of this protein to IL5 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL5. This protein has been found to interact with syndecan binding protein (syntenin), which is required for IL5 mediated activation of the transcription factor SOX4. Six alternatively spliced transcript variants encoding three distinct isoforms have been reported.

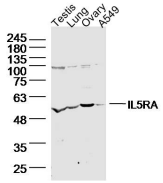
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse (predicted: Rat, Rabbit, Cow)

Predicted MW.: 46 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: testis (mouse) Lysate at 40 ug lung (mouse) Lysate at 40 ug ovary (mouse) Lysate at 40 ug A549 (human)cell Lysate at 40 ug Primary: Anti- IL5RA(bs-2061R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 46kD Observed band size: 56 kD

SELECTED CITATIONS

- **[IF=5.7]** Huanxia Xie. et al.Gαi1/3 signaling mediates IL-5-induced eosinophil activation and type 2 inflammation in eosinophilic chronic rhinosinusitis.FRONTIERS IN IMMUNOLOGY.2025 Jan 7:15:1460104. Western blot ;Human. 39840047
- **[IF=5.085]** Venosa Alessandro. et al. Role of CCR2+ Myeloid Cells in Inflammation Responses Driven by Expression of a Surfactant Protein-C Mutant in the Alveolar Epithelium. Front Immunol. 2021 Apr;12:1348 IHC ;Mouse. 33968067
- **[IF=4.344]** Gitto SB et al. Identification of a novel IL-5 signaling pathway in chronic pancreatitis and crosstalk with pancreatic tumor cells. Cell Commun Signal. 2020 Jun 17;18(1):95. ICC,IHC ;Mouse&Human. 32552827

- **[IF=2.55]** Chen, Yanyan, et al. "Catalpol alleviates ovalbumin-induced asthma in mice: Reduced eosinophil infiltration in the lung." International Immunopharmacology 43 (2017): 140-146. WB ;Mouse. 27992791