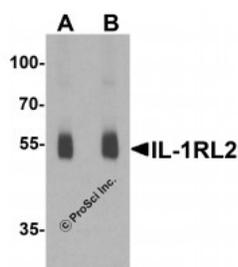


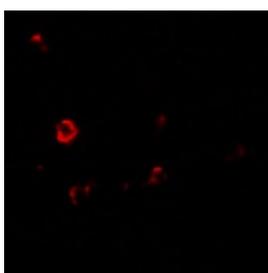


## IL-1RL2 Antibody

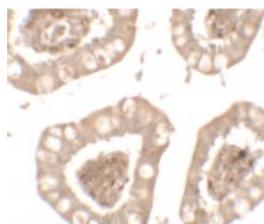
CATALOG NUMBER: 7501



Western blot analysis of IL-1RL2 in human small intestine lysate with IL-1RL2 antibody at (A) 1 and (B) 2 ug/ml.



Immunofluorescence of IL-1RL2 in human small intestine tissue with IL-1RL2 antibody at 20 ug/mL.



Immunohistochemistry of IL-1RL2 in human small intestine tissue with IL-1RL2 antibody at 5 ug/mL.

### Specifications

<b>SPECIES REACTIVITY:</b>	Human, Mouse, Rat
<b>TESTED APPLICATIONS:</b>	ELISA, IF, IHC-P, WB
<b>APPLICATIONS:</b>	IL-1RL2 antibody can be used for detection of IL-1RL2 by Western blot at 1 - 2 ug/ml.
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.
<b>POSITIVE CONTROL:</b>	1) Cat. No. 1308 - Human Small Intestine Tissue Lysate
<b>PREDICTED MOLECULAR WEIGHT:</b>	Predicted: 61 kDa Observed: 55 kDa
<b>SPECIFICITY:</b>	IL-1RL2 antibody is human, mouse and rat reactive. At least three isoforms of IL-1RL2 are known to exist; this antibody will detect all three isoforms. IL-1RL2 antibody is predicted to not cross-react with IL-1R or IL-1RL1.
<b>IMMUNOGEN:</b>	IL-1RL2 antibody was raised against a 16 amino acid peptide near the center of human IL-1RL2.  The immunogen is located within amino acids 260 - 310 of IL-1RL2.
<b>HOST SPECIES:</b>	Rabbit

### Properties

<b>PURIFICATION:</b>	IL-1RL2 antibody is affinity chromatography purified via peptide column.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	IL-1RL2 antibody is supplied in PBS containing 0.02% sodium azide.
<b>CONCENTRATION:</b>	1 mg/mL
<b>STORAGE CONDITIONS:</b>	IL-1RL2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
<b>CLONALITY:</b>	Polyclonal
<b>ISOTYPE:</b>	IgG
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	IL-1RL2 Antibody: IL-36R, IL1RRP2, IL-1Rrp2, IL1R-rp2, Interleukin-1 receptor-like 2, IL-36 receptor, IL-36R
<b>ACCESSION NO.:</b>	NP_003845
<b>PROTEIN GI NO.:</b>	28416902
<b>OFFICIAL SYMBOL:</b>	IL1RL2
<b>GENE ID:</b>	8808

## Background

**BACKGROUND:** IL-1RL2 is a member of the interleukin 1 receptor family, but it is incapable of binding to interleukin 1 alpha and interleukin 1 beta with high affinity (1). Together with IL-1RAcP, it can bind members of the IL-36 cytokine family, leading to activation of the NF-kappaB pathway (2). IL-1RL2 can also bind to IL-1F10, resulting in a decreased product of Th17 cytokines in response to immunological or LPS challenge, suggesting that one potential role of IL-1RL2 may be to modulate the immune and inflammation response (3).

- REFERENCES:**
- 1) Lovenberg TW, Crowe PD, Liu C, et al. Cloning of a cDNA encoding a novel interleukin-1 receptor related protein (IL1 1R-rp2). *J. Neuroimmunol.* 1996; 70:113-22.
  - 2) Towne JE, Garka KE, Renshaw BR, et al. Interleukin (IL)-1F6, IL-1F8, and IL-1F9 signal through IL-1Rrp2 and IL-1RAcP to activate the pathway leading to NF-kappaB and MAPKs. *J. Biol. Chem.* 2004; 279:13677-88.
  - 3) van de Veerdonk FL, Stoeckman AK, Wu G, et al. IL-38 binds to the IL-36 receptor and has biological effects on immune cells similar to IL-36 receptor antagonist. *Proc. Natl. Acad. Sci. USA* 2012; 109:3001-5.

**FOR RESEARCH USE ONLY**

December 13, 2016