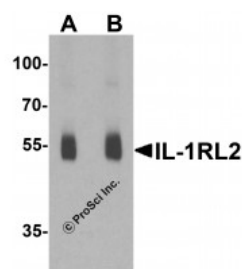


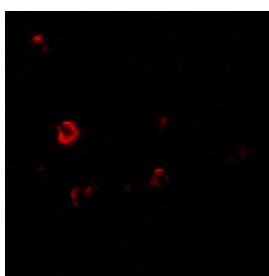


IL-1RL2 Antibody

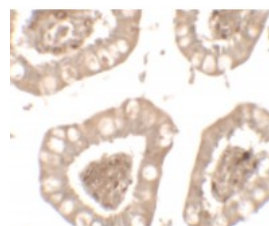
CATALOG NUMBER: 7501



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

SPECIES REACTIVITY:	Human, Mouse, Rat
TESTED APPLICATIONS:	ELISA, IF, IHC-P, WB
APPLICATIONS:	IL-1RL2 antibody can be used for detection of IL-1RL2 by Western blot at 1 - 2 ug/ml.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
POSITIVE CONTROL:	1) Cat. No. 1308 - Human Small Intestine Tissue Lysate
PREDICTED MOLECULAR WEIGHT:	Predicted: 61 kDa Observed: 55 kDa
SPECIFICITY:	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.
IMMUNOGEN:	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.
HOST SPECIES:	Rabbit

Properties

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

Additional Info

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