

Datasheet for 600-401-BV4**IL-1RL2 Antibody****Overview**

Description:	Anti-IL-1RL2 (RABBIT) Antibody - 600-401-BV4
Item No.:	600-401-BV4
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

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).
Synonyms:	IL-1RL2 Antibody, IL-36R, IL1RRP2, IL-1Rrp2, IL1R-rp2, Interleukin-1 receptor-like 2, IL-36 receptor, IL-36R
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	IL1RL2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-IL-1RL2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid peptide near the internal region of human IL-1RL2.

Purity/Specificity: Anti-IL-1RL2 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. 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.

Relevant Links:

- [UniProtKB - Q9HB29](#)
- [GeneID - 8808](#)
- [NCBI - NP_003845](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-IL-1RL2 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 65 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000-1:20,000

IF: User Optimized

IHC: User Optimized

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

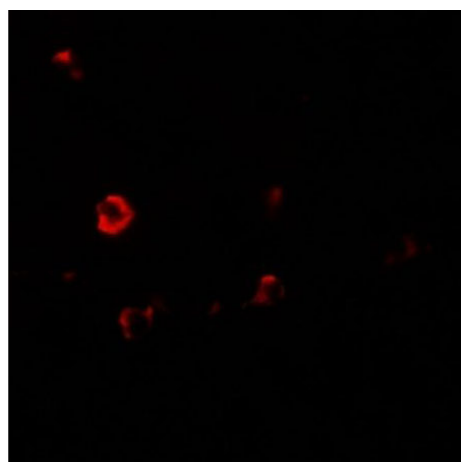
Shipping & Handling

Shipping Condition: Wet Ice

Storage Condition: Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

Expiration: Expiration date is one (1) year from date of receipt.

Images

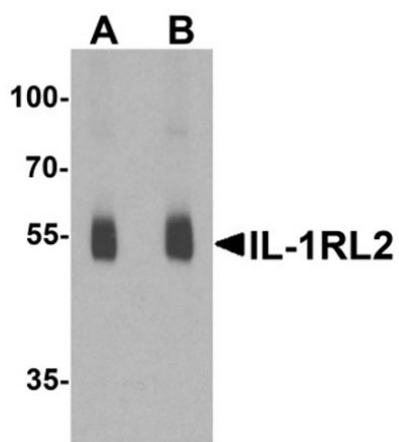


Immunofluorescence Microscopy

Immunofluorescence of IL-1RL2.

Tissue: human small intestine tissue.

Primary Antibody: IL-1RL2 antibody at 20 µg/mL.

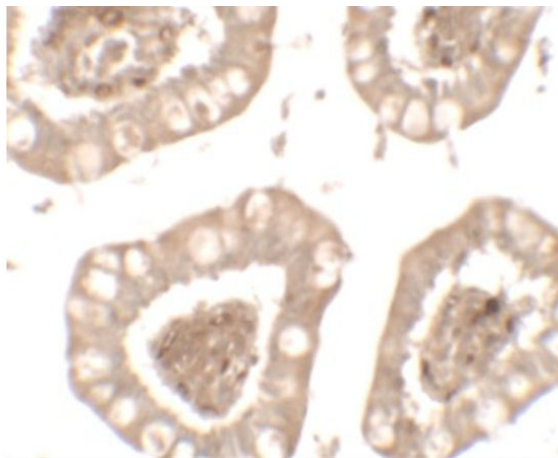


Western Blot

Western blot of IL-1RL2.

Load: human small intestine lysate.

Primary Antibody: IL-1RL2 antibody at (A) 1 and (B) 2 µg/ml.

**Immunohistochemistry**

Immunohistochemistry of IL-1RL2.

Tissue: human small intestine tissue.

Primary Antibody: IL-1RL2 antibody at 5 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.