



Rabbit Anti-IL-1R2 antibody

SL2595R

Product Name:	IL-1R2
Chinese Name:	白介素1受体2抗体
Alias:	IL1 Receptor II; IL-1R II; IL1 Receptor 2; interleukin-1 receptor type 2 precursor; IL1R2; CD121b; IL1RB; CD121; CD121 antigen-like family member B; CD121b; CD121B Antigen; CDW121B; IL-1R-2; IL-1R-beta; IL-1R2; IL-1RT-2; IL-1RT2; IL1R Beta; Il1r-2; IL1R2; IL1RB; Interleukin 1 receptor, beta, type II; Interleukin 1 receptor, type II; Interleukin-1 receptor beta; Interleukin-1 receptor type 2; MGC137383; MGC47725; p68; IL1 Receptor II; IL1R2 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1µg/testIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	44kDa
Cellular localization:	The cell membraneExtracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human IL-1R II:301-398/398<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1

receptor family. This protein binds interleukin alpha (IL1A), interleukin beta (IL1B), and interleukin 1 receptor, type I(IL1R1/IL1RA), and acts as a decoy receptor that inhibits the activity of its ligands. Interleukin 4(IL4) is reported to antagonize the activity of interleukin 1 by inducing the expression and release of this cytokine. This gene and three other genes form a cytokine receptor gene cluster on chromosome 2q12. Two alternatively spliced transcript variants encoding the same protein have been reported. [provided by RefSeq].

Function:

Non-signaling receptor for IL1A, IL1B and IL1RN. Reduces IL1B activities. Serves as a decoy receptor by competitive binding to IL1B and preventing its binding to IL1R1. Also modulates cellular response through non-signaling association with IL1RAP after binding to IL1B. IL1R2 (membrane and secreted forms) preferentially binds IL1B and poorly IL1A and IL1RN. The secreted IL1R2 recruits secreted IL1RAP with high affinity; this complex formation may be the dominant mechanism for neutralization of IL1B by secreted/soluble receptors.

Subcellular Location:

Isoform Short: Secreted.

Isoform Long: Cell membrane; Single-pass type I membrane protein.

Post-translational modifications:

A soluble form (sIL1R2) can also be produced by proteolytic cleavage at the cell surface (shedding) involving a metalloproteinase; however, several sIL1R2 forms ranging from 45 and 60 kDa are reported.

Similarity:

Belongs to the interleukin-1 receptor family.

Contains 3 Ig-like C2-type (immunoglobulin-like) domains.

SWISS:

P27930

Gene ID:

7850

Database links:

[Entrez Gene: 7850](#) Human

[Omic: 147811](#) Human

[SwissProt: P27930](#) Human

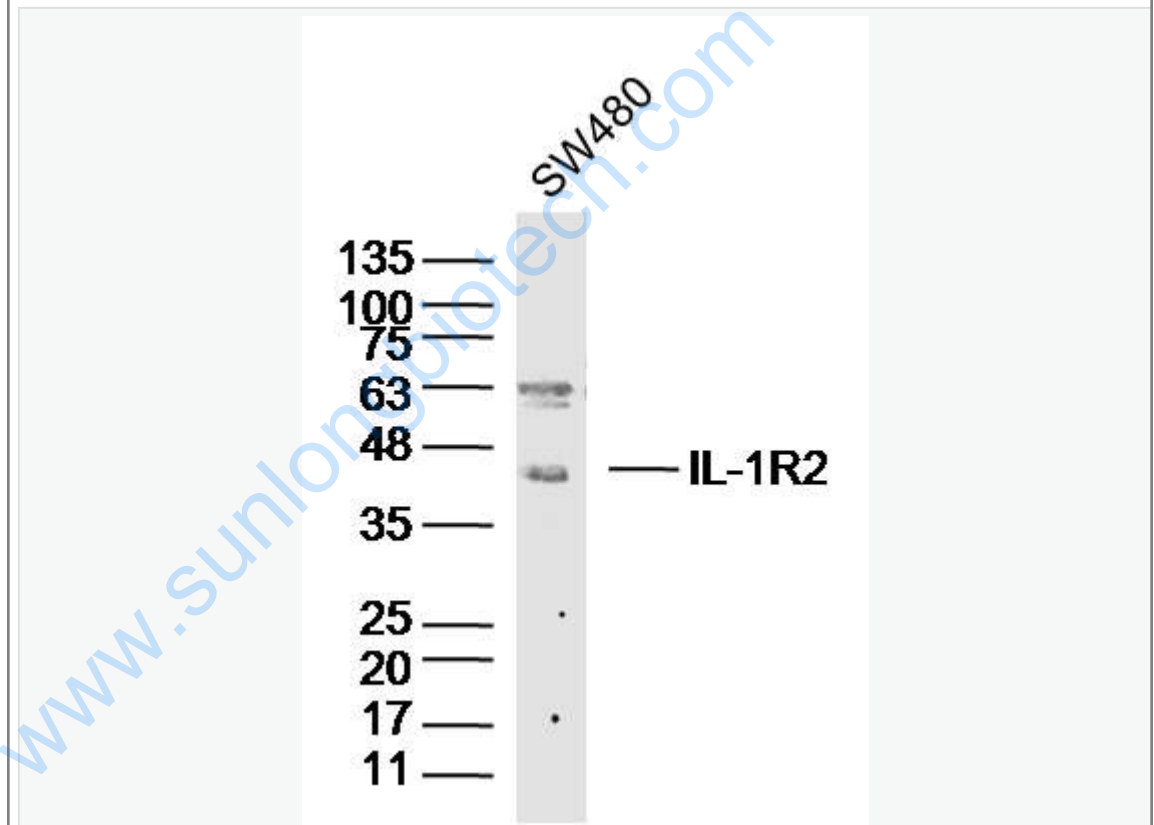
[Unigene: 25333](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

IL-1R II 属于新的信号受体家族TollSignal transduction通路蛋白, IL-1R II 在免疫和炎症反应的研究中占重要地位, 是在很多感染、炎症性致病机制中起决定性作用的cell factor, 几乎可作用于全身各种细胞, IL-1与IL-1R II 的结合可导致大量与免疫反应和炎症相关基因的表达, 包括cell factor、cell factor受体、急性期反应物、生长因子、胞外基质、粘附分子等。IL-1R II /NF- κ B信号通路是机体免疫反应中十分重要的组成部分。

Picture:



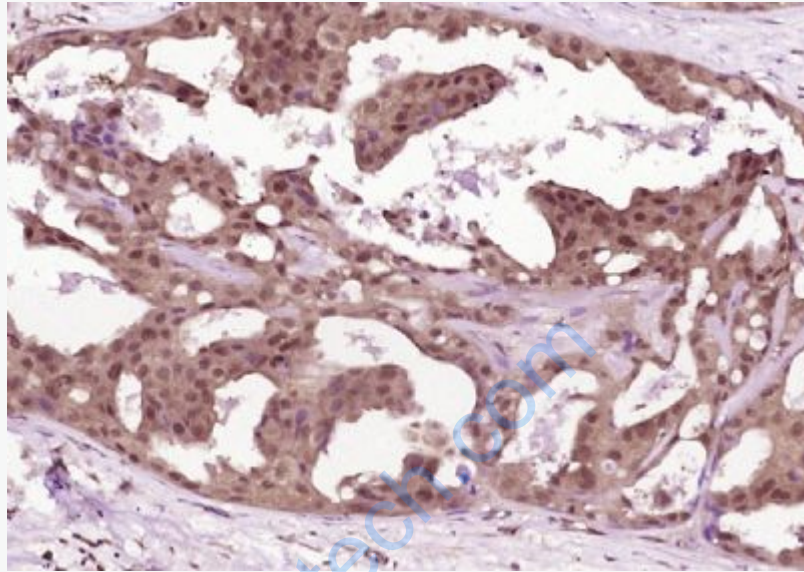
Sample: SW480 Cell (Human) Lysate at 40 ug

Primary: Anti- IL-1R2 (SL2595R) at 1/300 dilution

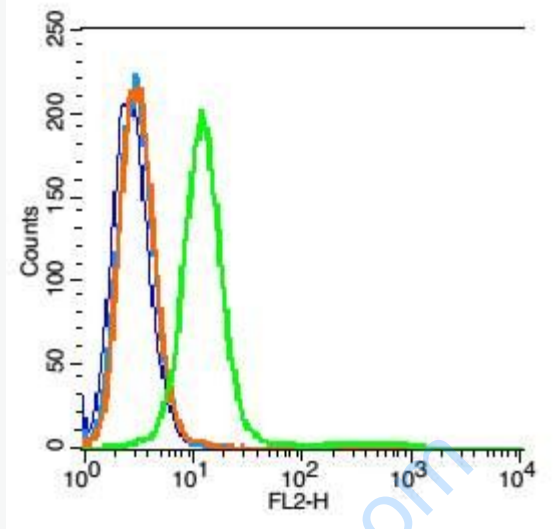
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 44 kD

Observed band size: 44 kD



Paraformaldehyde-fixed, paraffin embedded (Human breast carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IL-1R2) Polyclonal Antibody, Unconjugated (SL2595R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control: RSC96 cells(blue).

Primary Antibody: Rabbit Anti-IL-1R2 antibody(SL2595R), Dilution: 1 μ g in 100 μ L
1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG (orange) ,used under the same conditions.

Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X
PBS containing 0.5% BSA.