

**PAA066Hu01**

**Polyclonal Antibody to Interleukin 1 Receptor Type I (IL1R1)**

**Organism Species: *Homo sapiens (Human)***

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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13th Edition (Revised in Aug, 2023)

### **[ PROPERTIES ]**

**Source:** Polyclonal antibody preparation

**Host:** Rabbit

**Purification:** Antigen-specific affinity chromatography followed by Protein A affinity chromatography

**Traits:** Liquid

**Concentration:** 0.5mg/mL

**UOM:** 20µL

**Cross Reactivity:** Rat

**Applications:** WB; IHC; ICC/IF; FCM

### **[ IMMUNOGEN ]**

**Immunogen:** Recombinant IL1R1 (Asp21-Ile109 (Accession # P14778)) expressed in *E.coli*

**Accession No.:** RPA066Hu01

### **[ APPLICATIONS ]**

Western blotting: 0.01-3?g/mL;

Immunohistochemistry: 5-30?g/mL;

Immunofluorescence: 5-20µg/mL;

Flow cytometry: 20?g/mL;

Optimal working dilutions must be determined by end user.

### **[ FORMULATION ]**

**Form & Buffer:** Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

### **[ STORAGE AND STABILITY ]**

**Storage:** Avoid repeated freeze/thaw cycles.

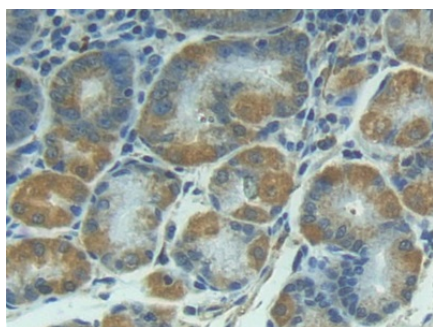
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

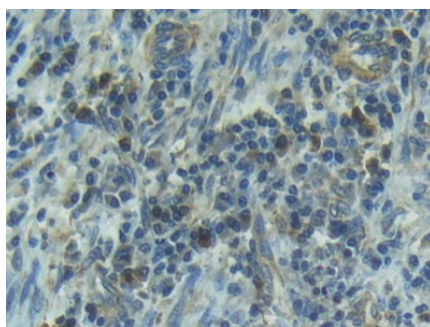
**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined

by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

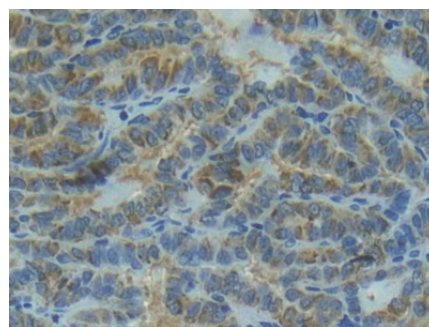
## [ IDENTIFICATION ]



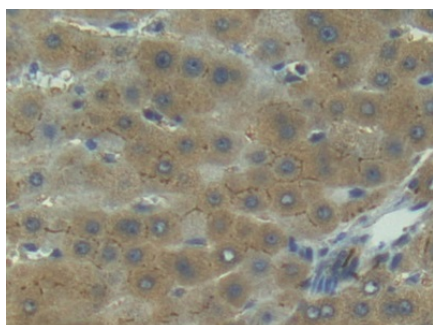
DAB staining on IHC-P; Samples:  
Human Stomach Tissue; Primary Ab:  
20µg/ml Rabbit Anti-Human IL1R1  
Antibody Second Ab: 2µg/mL HRP-  
Linked Caprine Anti-Rabbit IgG  
Polyclonal Antibody (Catalog:  
SAA544Rb19)



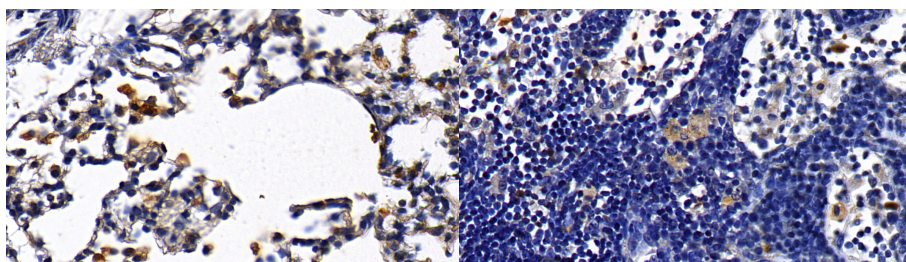
DAB staining on IHC-P;  
Samples: Human Esophagus cancer  
Tissue;  
Primary Ab: 20µg/ml Rabbit Anti-  
Human IL1R1 Antibody  
Second Ab: 2µg/mL HRP-Linked  
Caprine Anti-Rabbit IgG Polyclonal  
Antibody  
(Catalog: SAA544Rb19)



DAB staining on IHC-P;  
Samples: Human Thyroid cancer  
Tissue;  
Primary Ab: 20µg/ml Rabbit Anti-  
Human IL1R1 Antibody  
Second Ab: 2µg/mL HRP-Linked  
Caprine Anti-Rabbit IgG Polyclonal  
Antibody  
(Catalog: SAA544Rb19)



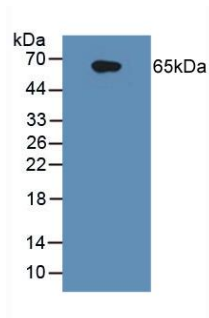
DAB staining on IHC-P;  
Samples: Human Liver Tissue;  
Primary Ab: 20µg/ml Rabbit Anti-  
Human IL1R1 Antibody  
Second Ab: 2µg/mL HRP-Linked  
Caprine Anti-Rabbit IgG Polyclonal  
Antibody



DAB staining on IHC-P;  
Sample: Rat Lung Tissue;  
Primary Ab: 20ug/ml Rabbit Anti-  
Human IL1R1 Antibody  
Second Ab: 2µg/mL HRP-Linked  
Caprine Anti-Rabbit IgG Polyclonal  
Antibody  
(Catalog: SAA544Rb19)

DAB staining on IHC-P;  
Sample: Rat Lymph node Tissue;  
Primary Ab: 20ug/ml Rabbit Anti-  
Human IL1R1 Antibody  
Second Ab: 2µg/mL HRP-Linked  
Caprine Anti-Rabbit IgG Polyclonal  
Antibody  
(Catalog: SAA544Rb19)

(Catalog: SAA544Rb19)



Western Blot; Sample: Raji cell lysate

Primary Ab: 3µg/ml Rabbit Anti-Human

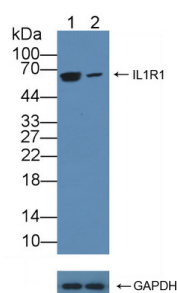
IL1R1 Antibody

Second Ab: 0.2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb19)



Knockout Varification:

Lane 1: Wild-type Raji cell lysate;

Lane 2: IL1R1 knockout Raji cell lysate;

Predicted MW: 65kd

Observed MW: 65kd

Primary Ab: 3µg/ml Rabbit Anti-Human

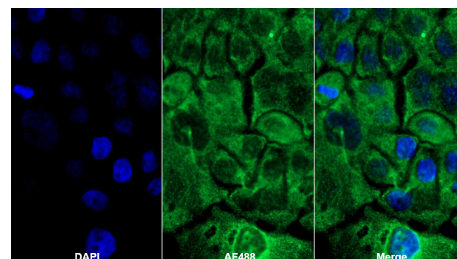
IL1R1 Antibody

Second Ab: 0.2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb19)



AF488 staining on IF;

Sample: A431 cell

Primary Ab: 20µg/ml Rabbit Anti-

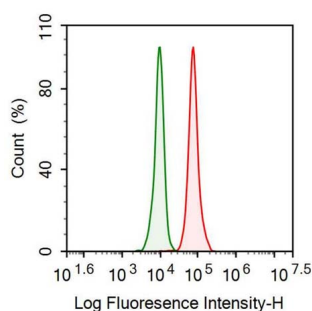
Human IL1R1 Antibody

Second Ab: 2?g/ml AF488-Linked

Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb11)



Human HepG2 cell was fixed with 2%

paraformaldehyde (10 min) ,

permeabilised with 0.1% BSA-Triton

X-100, then stained with 20µg/ml rabbit

Anti-human IL1R1 Polyclonal Antibody

(Catalog PAA066Hu01, red histogram)

or Isotype control antibody (Catalog

IS067-Rb01, green histogram), followed

by 1µg/ml FITC-conjugated Anti-rabbit

IgG Secondary Antibody (Catalog  
SAA544Rb18).

**[ IMPORTANT NOTE ]**

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.