

Anti-IL-1RA Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

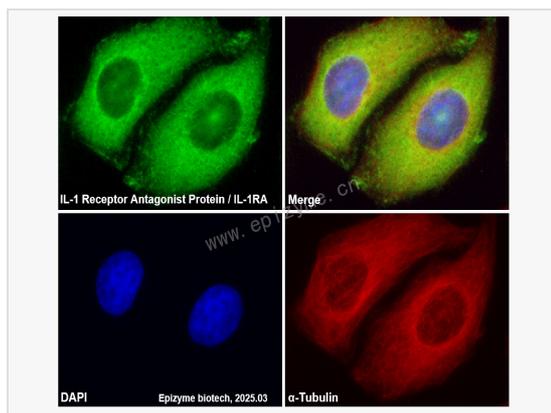
Catalog # R011762

Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse
Dilution	WB 1:1,000~1:5,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	65K93M28
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human IL1RA
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-IL-1RA Rabbit mAb [65K93M28] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	IL-1 Receptor Antagonist Protein, DIRA, F630041P17Rik, ICIL 1RA, ICIL-1RA, ICIL1RA, IL-1ra, IL-1ra3, IL-1RN, IL1 inhibitor, IL1F3, IL1RA, IL1RA_HUMAN, IL1RN (IL1F3), IL1RN, Interleukin 1 receptor antagonist, Interleukin-1 receptor antagonist protein, Intracellular IL 1 receptor antagonist type II, Intracellular interleukin 1 receptor antagonist (icIL 1ra), IRAP, MGC10430, MVCD4, Type II interleukin 1 receptor antagonist.
Calculated MW	Calculated MW: 20 kDa; Observed MW: 20 kDa
Uniprot ID	P18510
Gene ID	3557
Background	The protein encoded by this gene is a member of the interleukin 1 cytokine family. This protein inhibits the activities of interleukin 1, alpha (IL1A) and interleukin 1, beta (IL1B), and modulates a variety of interleukin 1 related immune and inflammatory responses. This gene and five other closely related cytokine genes form a gene cluster spanning approximately 400 kb on chromosome 2. A polymorphism of this gene is reported to be associated with increased risk of osteoporotic fractures and gastric cancer. Several alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jan 2016]
Cellular Location	Cytoplasm and Secreted.
Tissue Location	The intracellular form of IL1RN is predominantly expressed in epithelial cells.



Immunofluorescence - Anti-IL-1RA Rabbit mAb [65K93M28]

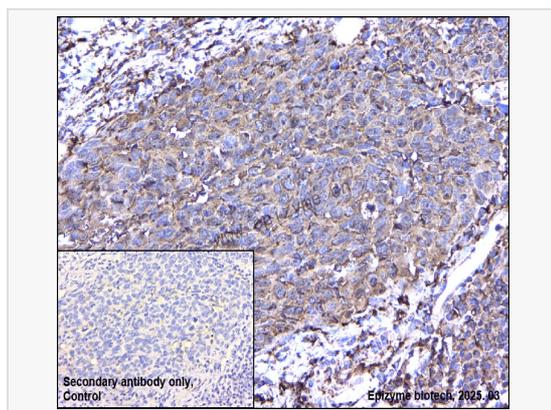
Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R011762 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-IL-1RA Rabbit mAb [65K93M28]

Sample: Paraformaldehyde-fixed, paraffin embedded human cervical cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

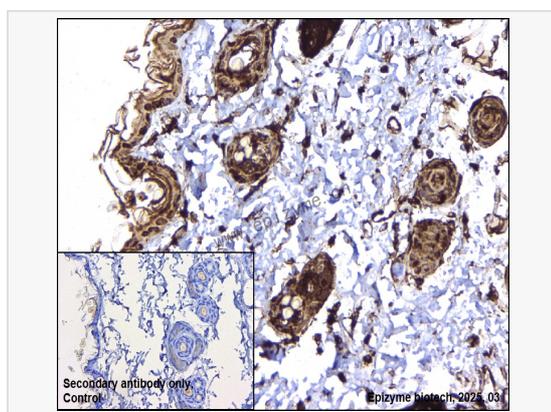
Primary antibody: R011762 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-IL-1RA Rabbit mAb [65K93M28]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse skin tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

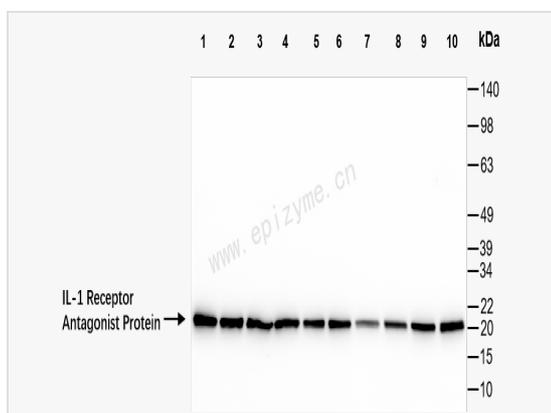
Primary antibody: R011762 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Western Blot - Anti-IL-1RA Rabbit mAb [65K93M28]

All lanes: R011762 at 1:5,000 dilution

Lane 1: A549 (Human lung carcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 5: Caco2 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates

Lane 6: SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysates

Lane 7: 293T (Human embryonic kidney cell) whole cell lysates

Lane 8: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates

Lane 9: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 10: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 20 kDa

Observed band size: 20 kDa

Developed using the ECL technique (Cat. No. SQ201).