

Anti-IL-1RAcP (CT)

CATALOG No.: PX139A
PX139B

SIZE: 100 µg
0.5 mg

BACKGROUND:

The pro-inflammatory cytokine IL-1 induced cellular response requires two subunits of its receptor, IL-1 receptor I (IL-1RI) and IL-1 receptor accessory protein (IL-1RAcP) (1). IL-1RAcP forms a complex with IL-1RI in response to IL-1 treatment. The IL-1 receptor-associated kinase (IRAK), which mediates activation of NF-κB inducing kinase (NIK) and of NF-κB, recruits to the IL-1R complex through IL-1RAcP (2). IL-1 activation of stress-activated protein kinase and of acid sphingomyelinase also requires IL-1RAcP (3,4). Like IL-1RI, IL-1RAcP subunit is essential for IL-1 mediated cellular response. IL-1RAcP is expressed in many tissues.

SOURCE:

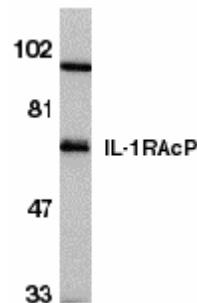
Rabbit anti-IL-1RAcP (CT) polyclonal antibody was raised against a peptide corresponding to amino acids 549 to 569 of human IL-1RAcP, which differs from the sequence of mouse origin by three amino acids (1).

APPLICATION:

This polyclonal antibody can be used for detection of IL-1RAcP by Western blot at 1:500 to 1:1000 dilution. Whole lysate from HeLa cells can be used as positive control and an approximately 66 kDa band can be detected. It has no cross activity to other members in the IL-1 receptor family. For research use only.

STORAGE:

It is supplied as immunoaffinity chromatography purified IgG, 100 µg in 200 µl of PBS containing 0.02% sodium azide. Store at 4°C, stable for one year.



Western blot analysis of IL-1RAcP in HeLa whole cell lysate with anti-IL-1RAcP (CT) at 1:500 dilution.

REFERENCES:

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2. Huang J, Gao X, Li S, Cao Z. Recruitment of IRAK to the interleukin 1 receptor complex requires interleukin 1 receptor accessory protein. *Proc Natl Acad Sci U S A* 1997;94:12829-32
3. Wesche H, Korherr C, Kracht M, Falk W, Resch K, Martin MU. The interleukin-1 receptor accessory protein (IL-1RAcP) is essential for IL-1-induced activation of interleukin-1 receptor-associated kinase (IRAK) and stress-activated protein kinases (SAP kinases). *J Biol Chem* 1997;272:7727-31
4. Hofmeister R, Wiegmann K, Korherr C, Bernardo K, Kronke M, Falk W. Activation of acid sphingomyelinase by interleukin-1 (IL-1) requires the IL-1 receptor accessory protein. *J Biol Chem* 1997;272:27730-6

CAUTION: NOT FOR USE IN HUMANS. FOR RESEARCH PURPOSES ONLY.



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