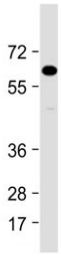
IL1RAP Antibody (Center Region) (F54176)

Catalog No.	Formulation	Size
F54176-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	Mid 2022
Species Reactivity	Mouse
Predicted Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q9NPH3
Applications	WB: 1:1000-1:2000
Limitations	This IL1RAP antibody is available for research use only.



Western blot testing of mouse liver lysate with IL1RAP antibody at 1:2000. Predicted molecular weight ~65 kDa.

Description

Coreceptor for IL1RL2 in the IL-36 signaling system (By similarity). Coreceptor with IL1R1 in the IL-1 signaling system. Associates with IL1R1 bound to IL1B to form the high affinity interleukin-1 receptor complex which mediates interleukin-1-dependent activation of NF-kappa-B and other pathways. Signaling involves the recruitment of adapter molecules such as TOLLIP, MYD88, and IRAK1 or IRAK2 via the respective TIR domains of the receptor/coreceptor subunits. Recruits TOLLIP to the signaling complex. Does not bind to interleukin-1 alone; binding of IL1RN to IL1R1, prevents its association with IL1R1 to form a signaling complex. The cellular response is modulated through a non- signaling association with the membrane IL1R2 decoy receptor. Secreted forms (isoforms 2 and 3) associate with secreted ligand- bound IL1R2 and

increase the affinity of secreted IL1R2 for IL1B; this complex formation may be the dominant mechanism for neutralization of IL1B by secreted/soluble receptors.

Application Notes

The stated application concentrations are suggested starting points. Titration of the IL1RAP antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 279-313 from human IL1RAP was used as the immunogen for the IL1RAP antibody.

Storage

Aliquot the IL1RAP antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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