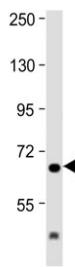


IL1RAP Antibody (C-Terminal Region) (F54177)

Catalog No.	Formulation	Size
F54177-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F54177-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-3 business days
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	Western Blot : 1:1000-1:2000
Limitations	This IL1RAP antibody is available for research use only.



Western blot testing of mouse brain 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 484-518 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.