Datasheet for ABIN6242411

anti-IL1RAP antibody (AA 279-313)

3 Images

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Overview

Quantity:	50 µL
Target:	IL1RAP
Binding Specificity:	AA 279-313
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL1RAP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This IL1RAP antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 279-313 amino acids of human IL1RAP.
Clone:	RB57768
Isotype:	IgG
Predicted Reactivity:	H
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	IL1RAP

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Target Details

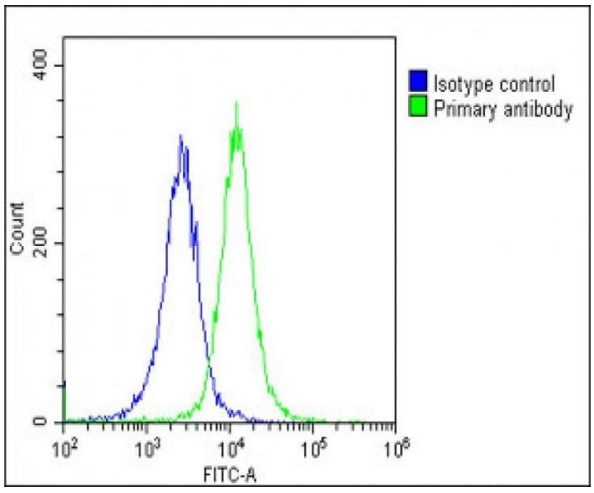
Alternative Name:	IL1RAP (IL1RAP Products)
Background:	Coreceptor for IL1RL2 in the IL-36 signaling system (‚By similarity),. Coreceptor with IL1R1 in the IL-1 signaling system. Associates with IL1R1 bound to IL1B to form the high affinity interleukin-1 receptor complex which mediates interleukin-1- 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.
Molecular Weight:	65418
UniProt:	Q9NPH3
Pathways:	NF-kappaB Signaling, Growth Factor Binding

Application Details

Application Notes:	WB: 1:2000. IHC-P: 1:25. FC: 1:25
Restrictions:	For Research Use only

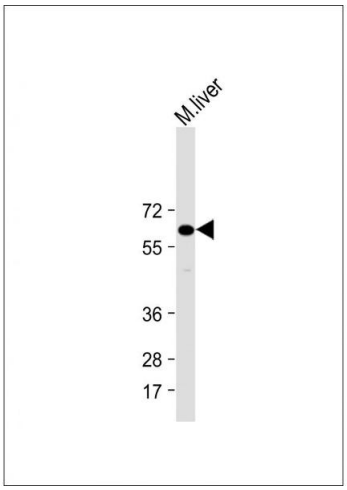
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months



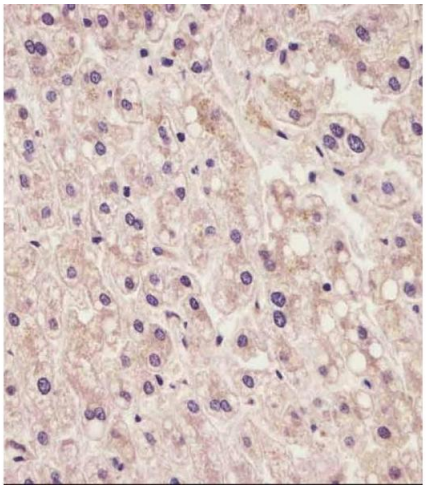
Flow Cytometry

Image 1. Overlay histogram showing Hela cells stained with (green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then icubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (, 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OE188374) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



Western Blotting

Image 2. Anti-IL1R Antibody (Center) at 1:2000 dilution + Mouse liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 65 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. staining IL1R in human liver tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3 % BSA for 0. 5 hour at room temperature, antigen retrieval was by heat mediation with a citrate buffer (pH 6). Samples were incubated with primary antibody (1/25) for 1 hours at 37 °C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.