

Anti-IL1RAPL1 Antibody

Catalog # AP95885

Product Information

Application	WB, FC, IF/IC
Primary Accession	Q9NZN1
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	79969

Additional Information

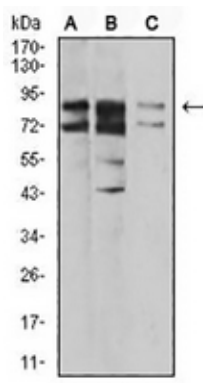
Gene ID	11141
Other Names	OPHN4; Interleukin-1 receptor accessory protein-like 1; IL-1-RAPL-1; IL-1RAPL-1; IL1RAPL-1; Oligophrenin-4; Three immunoglobulin domain-containing IL-1 receptor-related 2; TIGIRR-2; X-linked interleukin-1 receptor accessory protein-like 1
Target/Specificity	Recombinant fusion protein of human IL1RAPL1 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/100 - 1/200) IF/IC~~N/A
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

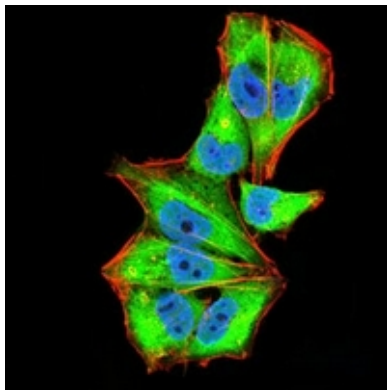
Name	IL1RAPL1
Synonyms	OPHN4
Function	May regulate secretion and presynaptic differentiation through inhibition of the activity of N-type voltage-gated calcium channel (PubMed: 12783849). May activate the MAP kinase JNK (PubMed: 15123616). Plays a role in neurite outgrowth (By similarity). During dendritic spine formation can bidirectionally induce pre- and post-synaptic differentiation of neurons by trans-synaptically binding to PTPRD (By similarity).
Cellular Location	Cell membrane; Single-pass type I membrane protein Cytoplasm. Cell projection, axon. Cell projection, dendrite. Note=May localize to the cell body and growth cones of dendrite-like processes
Tissue Location	Detected at low levels in heart, skeletal muscle, ovary, skin, amygdala, caudate nucleus, corpus callosum, hippocampus, substantia nigra and

thalamus. Detected at very low levels in tonsil, prostate, testis, small intestine, placenta, colon and fetal liver

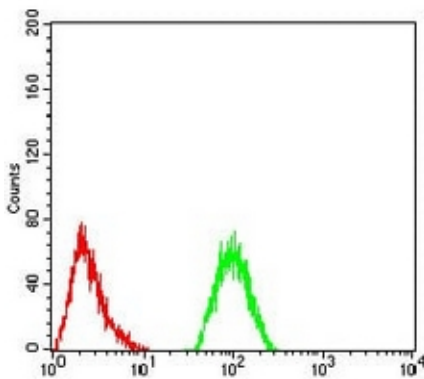
Images



Western blot analysis of IL1RAPL1 expression in A431 (A), SKHep1 (B), HL7702 (C) whole cell lysates. (Predicted band size: 80 kD; Observed band size: 83 kD)



Immunofluorescent analysis of IL1RAPL1 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of HeLa cells using Anti-IL1RAPL1 Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.