For Research Use Only

IL-21R Monoclonal antibody

Catalog Number:66319-1-Ig 1 Publications

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Basic Information

Catalog Number:
66319-1-Ig

Source:
Mouse

Isotype:
IgG2b

Immunogen Catalog Number:
AG21295

GenBank Accession Number:
BC004348

GeneID (NCBI):
50615

UNIPROT ID:
Q9HBE5

Full Name:
interleukin 21 receptor

Calculated MW:
59 kDa

Observed MW:
55-65 kDa

Purification Method:
Protein A purification

CloneNo.:
1D1C2

Recommended Dilutions:
WB: 1:1000-1:4000
IHC: 1:50-1:200

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HepG2 cells, A172 cells, MJ cells, K-562 cells, TF-1 cells, MOLT-4 cells, HuT 78 cells, NK-92 cells, human placenta tissue

IHC : human tonsillitis tissue,

Background Information

IL21R, a receptor for interleukin-21, belongs to the type I cytokine receptor family. IL21R has been shown to form a heterodimeric receptor complex with the common gamma-chain, a receptor subunit also shared by the receptors for interleukin 2, 4, 7, 9, and 15. This receptor transduces the promoting signal of IL21, and is important for the proliferation and differentiation of T cells, B cells, and natural killer (NK) cells. The ligand binding of this receptor leads to the activation of multiple downstream signaling molecules, including JAK1, JAK3, STAT1, and STAT3.

Notable Publications

Author	Pubmed ID	Journal	Application
Toshifumi Ninomiya	42148884	Clin Cancer Res	

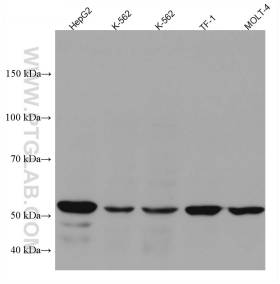
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

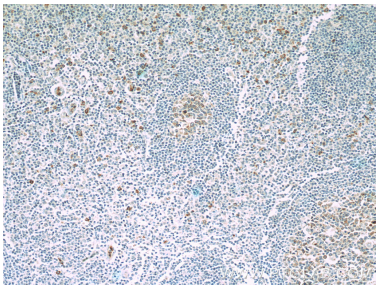
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

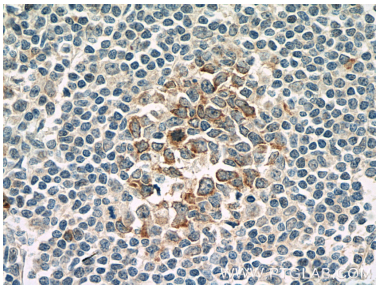
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66319-1-Ig (IL-21R antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66319-1-Ig (IL21R antibody) at dilution of 1:100 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66319-1-Ig (IL21R antibody) at dilution of 1:100 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).