

For Research Use Only

# NINJ2 Monoclonal antibody

Catalog Number: 66202-1-Ig



## Basic Information

Catalog Number:

66202-1-Ig

Size:

150ul, Concentration: 1000 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG5343

GenBank Accession Number:

BC057766

GeneID (NCBI):

4815

UNIPROT ID:

Q9NZG7

Full Name:

ninjurin 2

Calculated MW:

142 aa, 16 kDa

Purification Method:

Protein A purification

CloneNo.:

5C5B2

Recommended Dilutions:

IHC 1:20-1:200

IF-P 1:200-1:800

## Applications

Tested Applications:

IHC, IF-P, 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:

IHC : human tonsillitis tissue,

IF-P : human tonsillitis tissue,

## Background Information

NINJ2 (Ninjurin2) is a member of the ninjurin family of adhesion molecules which mediate cell-to-cell and cell-to-extracellular matrix interactions during development, differentiation, and regeneration of the peripheral nervous system. The gene encodes NINJ2 is located on chromosome 12p13. NINJ2 mRNA is widely expressed in adult human tissues, with highest level in bone marrow, followed by peripheral leukocytes, lung, and lymph nodes. In the peripheral nervous system, NINJ2 is expressed constitutively in mature sensory and enteric neurons. The expression of NINJ2 is upregulated after nerve injury in Schwann cells, suggesting that it may promote nerve regeneration. It may also play an important role in the pathogenesis of inflammatory disorder. (PMID: 10627596)

## 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

\*\*\* 20ul sizes contain 0.1% BSA

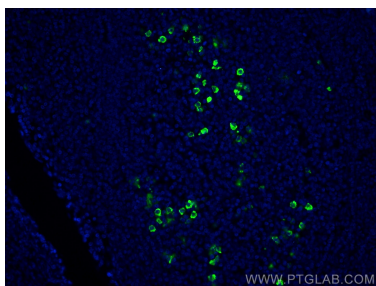
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

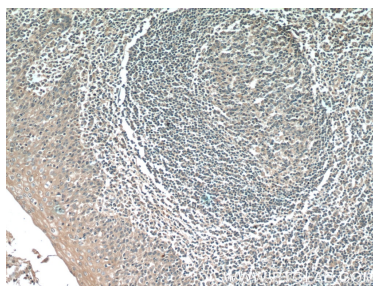
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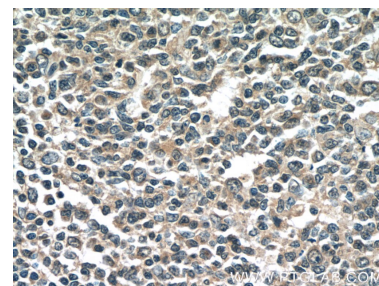
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using NINJ2 antibody (66202-1-Ig, Clone: 5C5B2 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66202-1-Ig (NINJ2 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66202-1-Ig (NINJ2 Antibody) at dilution of 1:50 (under 40x lens).