

**[KO Validated] NINJ1 Rabbit mAb****Catalog No.: A30079****Basic Information****Observed MW**

17 kDa

**Calculated MW**

16 kDa

**Category**

Monoclonal Antibodies

**Applications**

WB, IP, IF/ICC, IF-F, IHC-P, ELISA

**Cross Reactivity**

Mouse, Rat

**Clone No.**

ARC84199

**Background**

Enables cell-cell adhesion mediator activity; lipopolysaccharide binding activity; and membrane destabilizing activity. Involved in several processes, including ferroptosis; leukocyte chemotaxis; and positive regulation of defense response. Acts upstream of or within hyaloid vascular plexus regression and positive regulation of cell-matrix adhesion. Located in filopodium membrane and synaptic membrane. Is active in plasma membrane. Is expressed in several structures, including body cavity or lining; central nervous system; eye; genitourinary system; and vertebral axis musculature. Orthologous to human NINJ1 (ninjurin 1).

**Recommended Dilutions****WB** 1:2000 - 1:15000**IP**

0.5 µg - 4 µg antibody for 400 µg - 600 µg extracts of whole cells

**IF/ICC** 1:100 - 1:400**IF-F** 1:100 - 1:400**IHC-P** 1:200 - 1:800**ELISA**

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ( $\geq 1:10000$ ), a sequential dilution method is strongly recommended to ensure measurement accuracy.

**Immunogen Information****Gene ID**

18081

**Swiss-Prot**

O70131

**Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**

ninjurin 1

**Contact**
 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)
 | [www.abclonal.com.cn](http://www.abclonal.com.cn)
**Product Information****Source**

Rabbit

**Isotype**

IgG

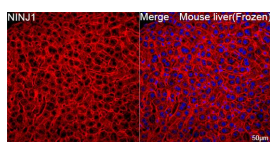
**Purity**

Affinity purification

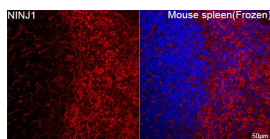
**Storage**

Store at -20°C. Avoid freeze / thaw cycles

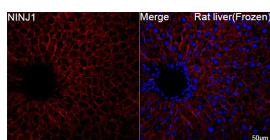
## Validation Data



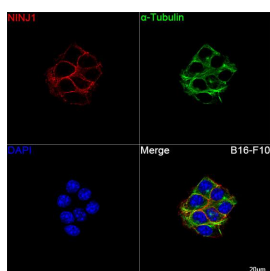
Confocal imaging of frozen sections of Mouse liver tissue using [KO Validated] NINJ1 Rabbit mAb (A30079, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



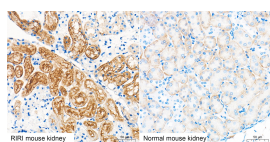
Confocal imaging of frozen sections of Mouse spleen tissue using [KO Validated] NINJ1 Rabbit mAb (A30079, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



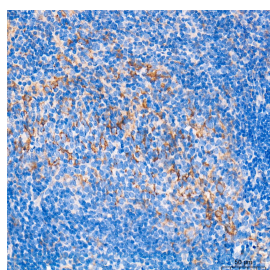
Confocal imaging of frozen sections of Rat liver tissue using [KO Validated] NINJ1 Rabbit mAb (A30079, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



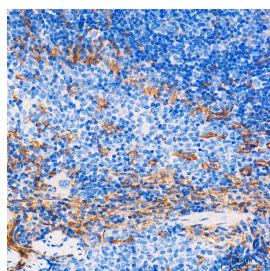
Confocal imaging of B16-F10 cells using [KO Validated] NINJ1 Rabbit mAb (A30079, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS037, dilution 1:800) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



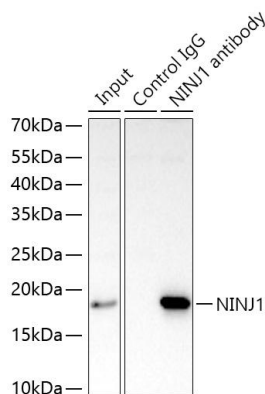
Immunohistochemistry analysis of paraffin-embedded RIRI mouse kidney tissue (left) and Normal mouse kidney tissue (right) using [KO Validated] NINJ1 Rabbit mAb (A30079) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



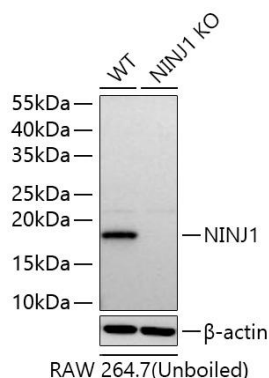
Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using [KO Validated] NINJ1 Rabbit mAb (A30079) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using [KO Validated] NINJ1 Rabbit mAb (A30079) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunoprecipitation of NINJ1 from 600 µg extracts of Mouse liver tissue was performed using 2 µg of [KO Validated] NINJ1 Rabbit mAb (A30079). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using [KO Validated] NINJ1 Rabbit mAb (A30079) at a dilution of 1:5000.



Western blot analysis of lysates from wild type (WT) and NINJ1 knockout (KO) RAW 264.7 cells using [KO Validated] NINJ1 Rabbit mAb (A30079) at 1:5000 dilution incubated overnight at 4°C.

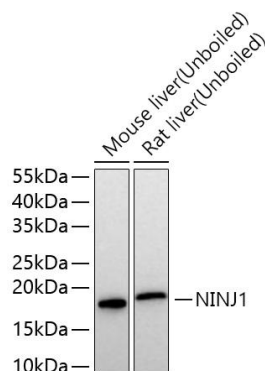
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 5 s.



Western blot analysis of various lysates using [KO Validated] NINJ1 Rabbit mAb (A30079) at 1:5000 dilution incubated overnight at 4°C.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 5 s.