

# Product Datasheet

## NK1R Antibody (JE39-75) NBP3-32653

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP3-32653**

NK1R Antibody (JE39-75)

| Product Information     |                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------|
| Unit Size               | 100 ul                                                                                 |
| Concentration           | 1 mg/ml                                                                                |
| Storage                 | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality               | Monoclonal                                                                             |
| Clone                   | JE39-75                                                                                |
| Preservative            | 0.05% Sodium Azide                                                                     |
| Isotype                 | IgG                                                                                    |
| Purity                  | Protein A purified                                                                     |
| Buffer                  | 1*TBS (pH7.4), 0.05% BSA and 40% Glycerol                                              |
| Target Molecular Weight | 46 kDa                                                                                 |

| Product Description |                                                                                                                                                                                                                       |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description         | Novus Biologicals Rabbit NK1R Antibody (JE39-75) (NBP3-32653) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host                | Rabbit                                                                                                                                                                                                                |
| Gene ID             | 6869                                                                                                                                                                                                                  |
| Gene Symbol         | TACR1                                                                                                                                                                                                                 |
| Species             | Human, Mouse, Rat                                                                                                                                                                                                     |
| Immunogen           | Recombinant protein within Human NK1R aa 308-407 / 407. (Uniprot: P25103)                                                                                                                                             |

| Product Application Details |                                                                                                                                                            |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry                                 |
| Recommended Dilutions       | Western Blot 1:1000, Flow Cytometry 1:500-1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:200 |



## Images

Western Blot: NK1R Antibody (JE39-75) [NBP3-32653] - Western blot analysis of NK1R on different lysates with Rabbit anti-NK1R antibody (NBP3-32653) at 1/1,000 dilution.

Lane 1: HeLa cell lysate  
Lane 2: SH-SY5Y cell lysate  
Lane 3: U-87 MG cell lysate  
Lane 4: NCCIT cell lysate  
Lane 5: F9 cell lysate  
Lane 6: Neuro-2a cell lysate  
Lane 7: C6 cell lysate

Lysates/proteins at 20 ug/Lane.

Predicted band size: 46 kDa  
Observed band size: 50 kDa

Exposure time: 20 seconds;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDm/TBST for 1 hour at room temperature. The primary antibody (NBP3-32653) at 1/1,000 dilution was used in 5% NFDm/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:100,000 dilution was used for 1 hour at room temperature.

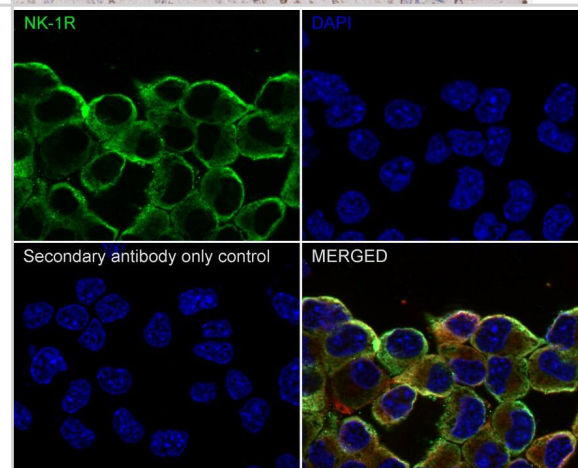
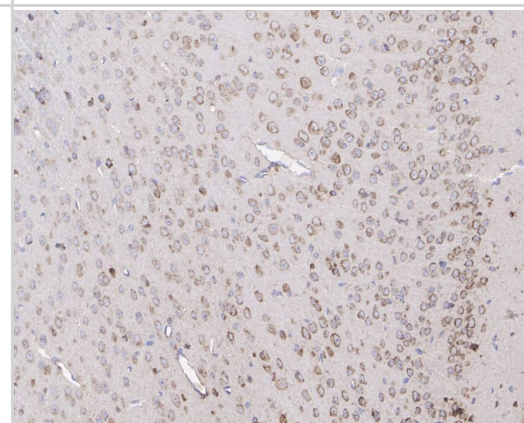
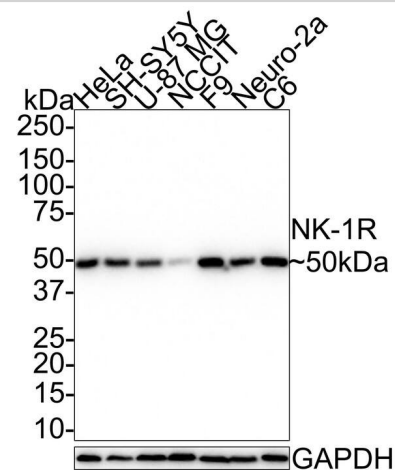
Immunohistochemistry: NK1R Antibody (JE39-75) [NBP3-32653] - Immunohistochemical analysis of paraffin-embedded mouse brain tissue with Rabbit anti-NK1R antibody (NBP3-32653) at 1/200 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (NBP3-32653) at 1/200 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

Immunocytochemistry/ Immunofluorescence: NK1R Antibody (JE39-75) [NBP3-32653] - Immunocytochemistry analysis of Neuro-2a cells labeling NK1R with Rabbit anti-NK1R antibody (NBP3-32653) at 1/100 dilution.

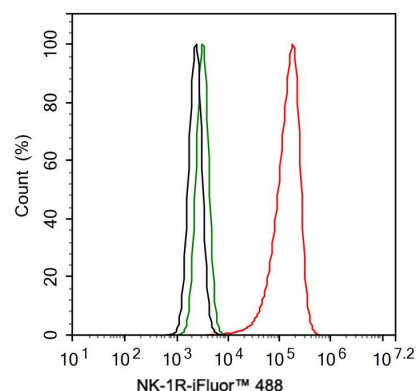
Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-NK1R antibody (NBP3-32653) at 1/100 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.

Beta tubulin (red) was stained at 1/100 dilution overnight at +4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 594) was used as the secondary antibody at 1/1,000 dilution.



# Flow Cytometry: NK1R Antibody (JE39-75) [NBP3-32653] - Flow cytometric analysis of Neuro-2a cells labeling NK1R.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32653, 1ug/ml) (red) compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4°C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4°C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).





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### **Products Related to NBP3-32653**

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|              |                                                     |
|--------------|-----------------------------------------------------|
| HAF008       | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160       | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891   | Rabbit IgG Isotype Control                          |
| NB300-101PEP | NK1R Antibody Blocking Peptide                      |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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