

# Product Datasheet

## Granulin Antibody (JE37-73)

### NBP3-32371

Unit Size: 100 ul

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

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Updated 8/7/2025 v.20.1

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**NBP3-32371**

Granulin Antibody (JE37-73)

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	JE37-73
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	64 kDa
Product Description	
Host	Rabbit
Gene ID	2896
Gene Symbol	GRN
Species	Human
Immunogen	Recombinant protein within Human Granulin aa 1-100 / 593. (Uniprot: P28799)
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 1:1000



## Images

**Western Blot: Granulin Antibody (JE37-73) [NBP3-32371]** - Western blot analysis of Granulin on different lysates with Rabbit anti-Granulin antibody (NBP3-32371) at 1/1,000 dilution.

Lane 1: HepG2 cell lysate  
Lane 2: HEK-293 cell lysate  
Lane 3: TF-1 cell lysate  
Lane 4: THP-1 cell lysate

Lysates/proteins at 20 ug/Lane.

Predicted band size: 64 kDa  
Observed band size: 50-75 kDa

Exposure time: 1 minutes; ECL;

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 (NBP3-32371) at 1/1,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.

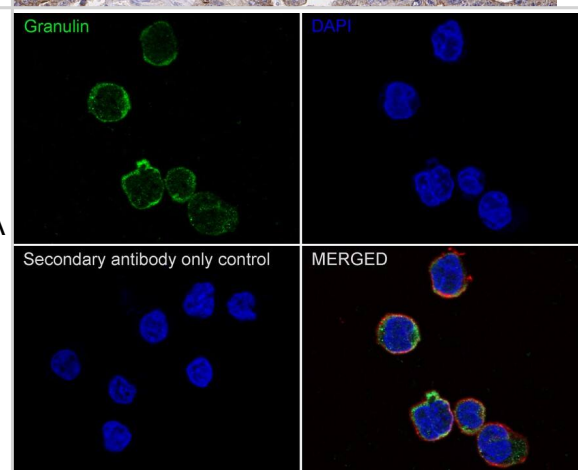
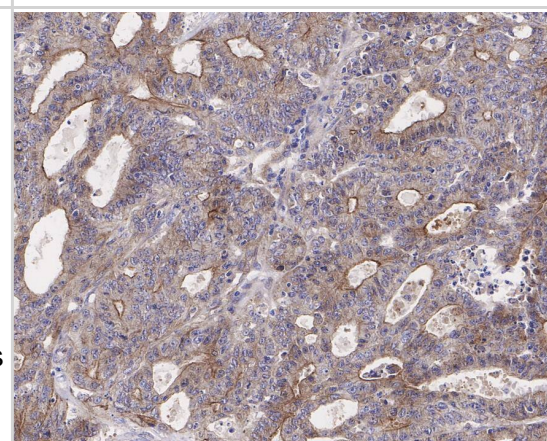
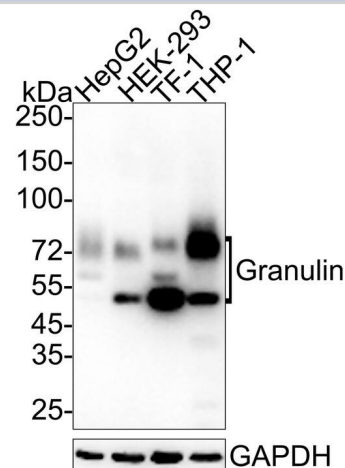
**Immunohistochemistry: Granulin Antibody (JE37-73) [NBP3-32371]** - Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue with Rabbit anti-Granulin antibody (NBP3-32371) at 1/1,000 dilution.

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 (NBP3-32371) at 1/1,000 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: Granulin Antibody (JE37-73) [NBP3-32371]** - Immunocytochemistry analysis of THP-1 cells labeling Granulin with Rabbit anti-Granulin antibody (NBP3-32371) at 1/100 dilution.

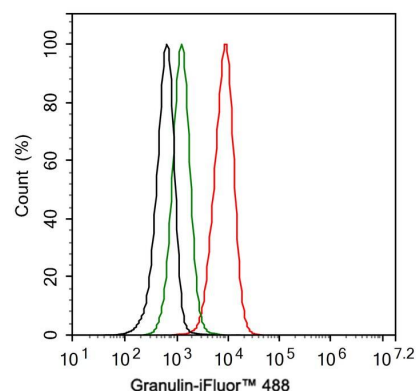
Cells were fixed in 100% methanol for 10 minutes, permeabilized with 0.1% Triton X-100 in PBS for 15 minutes, and then blocked with 1% BSA for 30 minutes at room temperature. Cells were then incubated with Rabbit anti-Granulin antibody (NBP3-32371) at 1/100 dilution in 2% negative goat serum overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. 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: Granulin Antibody (JE37-73) [NBP3-32371] - Flow cytometric analysis of THP-1 cells labeling Granulin.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32371, 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 NBP3-32371**

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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-87324PEP	Granulin Recombinant Protein Antigen

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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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