

# Product Datasheet

## Lumican Antibody (JE11-45)

### NBP2-76847

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 10/23/2024 v.20.1

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**NBP2-76847**

Lumican Antibody (JE11-45)

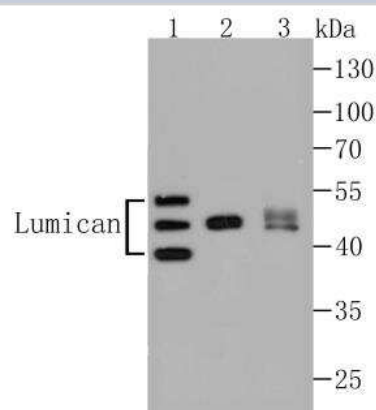
| Product Information     |  |
|-------------------------|--|
| Unit Size               | 100 ul   |
| Concentration           | 1 mg/ml  |
| Storage                 | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality               | Monoclonal   |
| Clone                   | JE11-45  |
| Preservative            | 0.05% Sodium Azide   |
| Isotype                 | IgG  |
| Purity                  | Protein A purified   |
| Buffer                  | TBS (pH7.4), 0.05% BSA, 40% Glycerol   |
| Target Molecular Weight | 38 kDa   |

| Product Description |  |
|---------------------|--|
| Host                | Rabbit   |
| Gene ID             | 4060   |
| Gene Symbol         | LUM  |
| Species             | Human, Mouse, Rat  |
| Immunogen           | Recombinant protein within Human Lumican aa 172-338 / 338. (SwissProt: P51884 Human) |

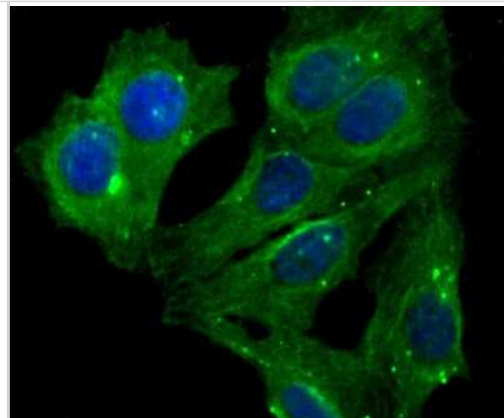
| Product Application Details |  |
|-----------------------------|--|
| Applications                | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin   |
| Recommended Dilutions       | Western Blot 1:500-1:2000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin 1:50-1:200 |

**Images**

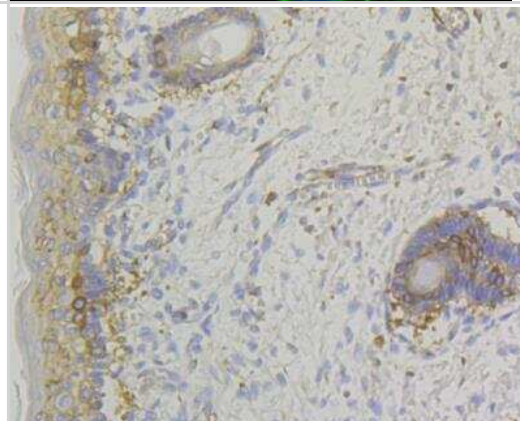
Western Blot: Lumican Antibody (JE11-45) [NBP2-76847] - Western blot analysis of Lumican on different lysates using anti-Lumican antibody at 1/1,000 dilution. Positive control: Lane 1: Jurkat Lane 2: 293T Lane 3: Human skin



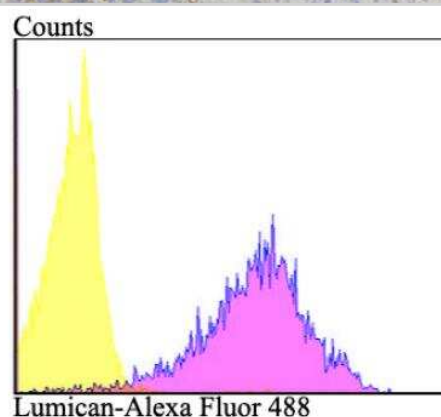
Immunocytochemistry/Immunofluorescence: Lumican Antibody (JE11-45) [NBP2-76847] - ICC staining Lumican in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



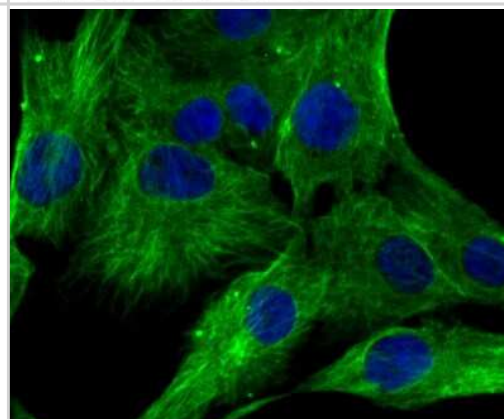
Immunohistochemistry: Lumican Antibody (JE11-45) [NBP2-76847] - Immunohistochemical analysis of paraffin-embedded human skin tissue using anti-Lumican antibody. Counter stained with hematoxylin.



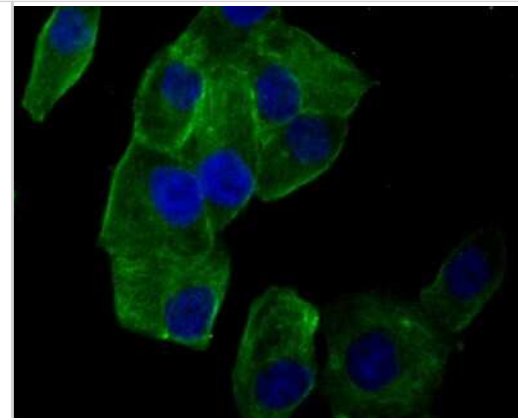
Flow Cytometry: Lumican Antibody (JE11-45) [NBP2-76847] - Flow cytometric analysis of 293T cells with Lumican antibody at 1/100 dilution (purple) compared with an unlabelled control (cells without incubation with primary antibody; yellow). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.



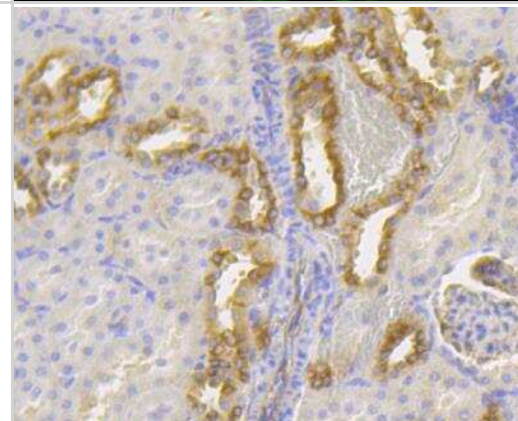
Immunocytochemistry/Immunofluorescence: Lumican Antibody (JE11-45) [NBP2-76847] - ICC staining Lumican in MG-63 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Immunocytochemistry/Immunofluorescence: Lumican Antibody (JE11-45) [NBP2-76847] - ICC staining Lumican in PANC-1 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Immunohistochemistry: Lumican Antibody (JE11-45) [NBP2-76847] - Immunohistochemical analysis of paraffin-embedded rat kidney tissue using anti-Lumican antibody. Counter stained with hematoxylin.



## Publications

Barnes EA, Ito R, Che X et al. Loss of Prolyl Hydroxylase 1 and 2 in SM22<sup>+</sup>-Expressing Cells Prevents Hypoxia-Induced Pulmonary Hypertension American journal of physiology. Lung cellular and molecular physiology 2023-10-17 [PMID: 37847687]

Alves AL, Carvalho AC, Machado I et al. Cell-Laden Marine Gelatin Methacryloyl Hydrogels Enriched with Ascorbic Acid for Corneal Stroma Regeneration Bioengineering (Basel, Switzerland) 2023-01-04 [PMID: 36671634] (ICC/IF, Human)

Details:  
Dilution used in ICC 1:200



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### **Products Related to NBP2-76847**

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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                          |
| NBP1-87726PEP | Lumican 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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