

# Product Datasheet

## RCAN1 Antibody (JE62-71)

### NBP3-32100

Unit Size: 100 ul

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

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**NBP3-32100**

RCAN1 Antibody (JE62-71)

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	JE62-71
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	28 kDa

Product Description	
Description	Novus Biologicals Rabbit RCAN1 Antibody (JE62-71) (NBP3-32100) is a recombinant monoclonal antibody validated for use in WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1827
Gene Symbol	RCAN1
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human RCAN1 aa 50-150. (Uniprot: P53805)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1:100, Immunocytochemistry/ Immunofluorescence 1:100



## Images

Western Blot: RCAN1 Antibody (JE62-71) [NBP3-32100] - Western blot analysis of RCAN1 on different lysates with Rabbit anti-RCAN1 antibody (NBP3-32100) at 1/1,000 dilution.

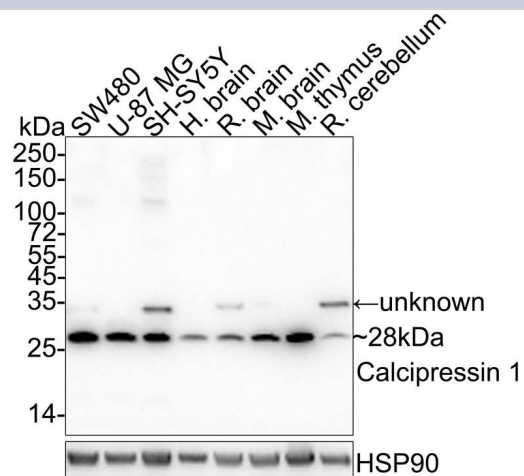
Lane 1: SW480 cell lysate (20 ug/Lane)  
 Lane 2: U-87 MG cell lysate (20 ug/Lane)  
 Lane 3: SH-SY5Y cell lysate (20 ug/Lane)  
 Lane 4: Human brain tissue lysate (40 ug/Lane)  
 Lane 5: Rat brain tissue lysate (40 ug/Lane)  
 Lane 6: Mouse brain tissue lysate (40 ug/Lane)  
 Lane 7: Mouse thymus tissue lysate (40 ug/Lane)  
 Lane 8: Rat cerebellum tissue lysate (40 ug/Lane)

Predicted band size: 28 kDa  
 Observed band size: 28 kDa

Exposure time: 24 seconds;

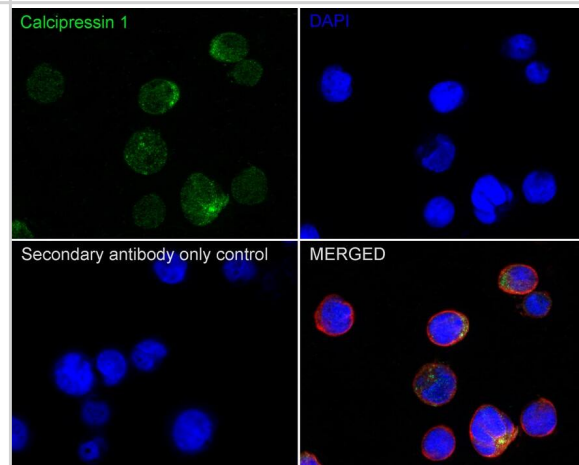
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32100) 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.



Immunocytochemistry/ Immunofluorescence: RCAN1 Antibody (JE62-71) [NBP3-32100] - Immunocytochemistry analysis of Jurkat cells labeling RCAN1 with Rabbit anti-RCAN1 antibody (NBP3-32100) at 1/100 dilution.

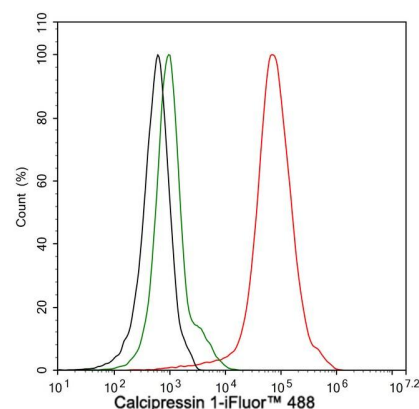
Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-RCAN1 antibody (NBP3-32100) 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: RCAN1 Antibody (JE62-71) [NBP3-32100] - Flow cytometric analysis of Jurkat cells labeling RCAN1.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32100, 1/100) (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 NBP3-32100

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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