

# Product Datasheet

## CRMP2 Antibody (JE31-53) NBP3-32224

Unit Size: 100 ul

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

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**NBP3-32224**

CRMP2 Antibody (JE31-53)

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	JE31-53
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	62 kDa

Product Description	
Description	Novus Biologicals Rabbit CRMP2 Antibody (JE31-53) (NBP3-32224) 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	1808
Gene Symbol	DPYSL2
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within Human CRMP2 aa 473-572 / 572. (Uniprot: Q16555)

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



## Images

Western Blot: CRMP2 Antibody (JE31-53) [NBP3-32224] - Western blot analysis of CRMP2 on different lysates with Rabbit anti-CRMP2 antibody (NBP3-32224) at 1/1,000 dilution.

Lane 1: U-87 MG cell lysate (20 ug/Lane)  
 Lane 2: SH-SY5Y cell lysate (10 ug/Lane)  
 Lane 3: Neuro-2a cell lysate (15 ug/Lane)  
 Lane 4: PC-12 cell lysate (10 ug/Lane)  
 Lane 5: Mouse brain tissue lysate (10 ug/Lane)  
 Lane 6: Rat brain tissue lysate (10 ug/Lane)

Predicted band size: 62 kDa  
 Observed band size: 62 kDa

Exposure time: 5 seconds;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDN/TBST for 1 hour at room temperature. The primary antibody (NBP3-32224) at 1/1,000 dilution was used in 5% NFDN/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.

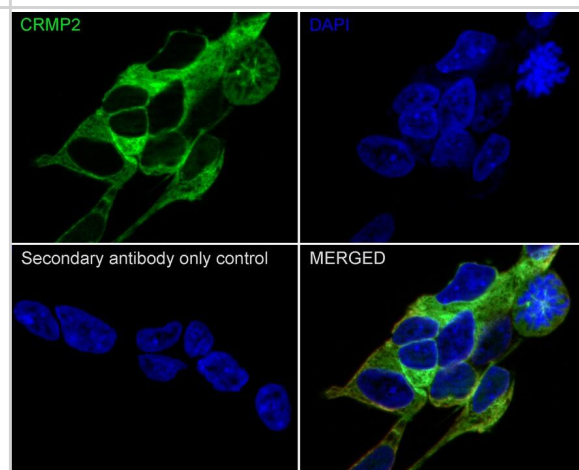
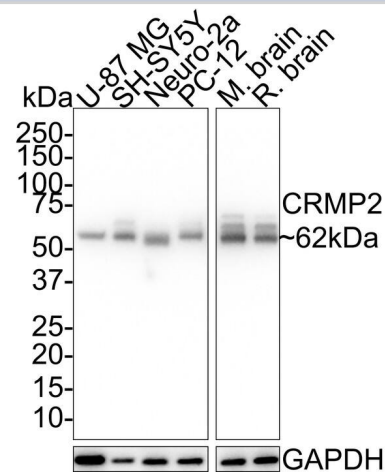
Immunocytochemistry/ Immunofluorescence: CRMP2 Antibody (JE31-53) [NBP3-32224] - Immunocytochemistry analysis of SH-SY5Y cells labeling CRMP2 with Rabbit anti-CRMP2 antibody (NBP3-32224) at 1/100 dilution.

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-CRMP2 antibody (NBP3-32224) 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: CRMP2 Antibody (JE31-53) [NBP3-32224] - Flow cytometric analysis of SH-SY5Y cells labeling CRMP2.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32224, 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 NBP3-32224**

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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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