

# Product Datasheet

## MAP2 Antibody (CL5420) - BSA Free NBP2-61417

Unit Size: 100 ul

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

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**NBP2-61417**

MAP2 Antibody (CL5420) - BSA Free

Product Information	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	CL5420
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol
<b>Target Molecular Weight</b>	199 kDa

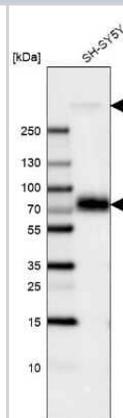
Product Description	
<b>Description</b>	Novus Biologicals Mouse MAP2 Antibody (CL5420) - BSA Free (NBP2-61417) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	4133
<b>Gene Symbol</b>	MAP2
<b>Species</b>	Human
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
<b>Immunogen</b>	This antibody was developed using a recombinant protein derived from P11137, with the exact immunogen sequence remaining proprietary.

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Single Cell Western
<b>Recommended Dilutions</b>	Western Blot 1 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500, Single Cell Western 100 ug/ml
<b>Application Notes</b>	IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: PFA/Triton X-100

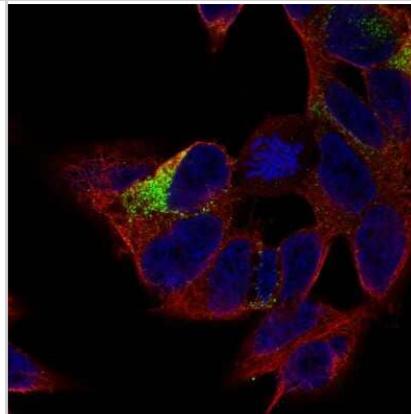


## Images

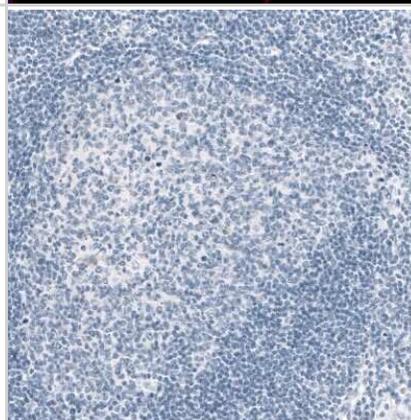
Western Blot: MAP2 Antibody (CL5420) [NBP2-61417] - Analysis in human cell line SH-SY5Y. Observed molecular weight 89 and 280 kDa.



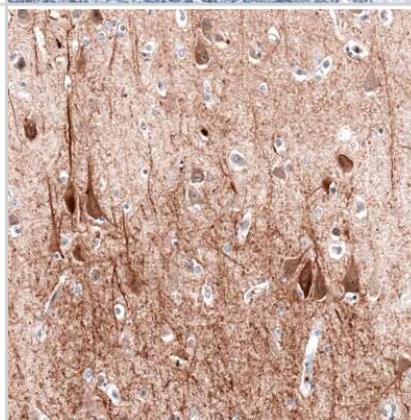
Immunocytochemistry/Immunofluorescence: MAP2 Antibody (CL5420) [NBP2-61417] - Staining of SH-SY5Y cells using the Anti-MAP2 monoclonal antibody, showing specific staining in the cytosol and in microtubules in green. Microtubule and nuclear probes are visualized in red and blue, respectively (where available). Antibody staining is shown in green.



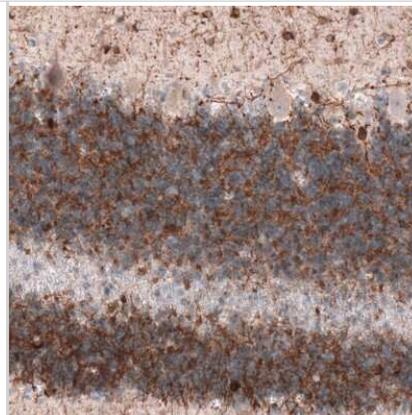
Immunohistochemistry-Paraffin: MAP2 Antibody (CL5420) [NBP2-61417] - Staining of human tonsil shows absence of positivity in lymphoid cells as expected (negative control).



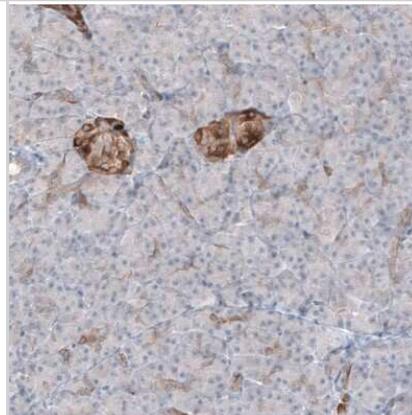
Immunohistochemistry-Paraffin: MAP2 Antibody (CL5420) [NBP2-61417] - Staining of human cerebral cortex shows cytoplasmic immunoreactivity in neurons, as well as positivity in neuropil.



Immunohistochemistry-Paraffin: MAP2 Antibody (CL5420) [NBP2-61417]  
- Staining of human cerebellum shows positivity in a subset of neurons.



Immunohistochemistry-Paraffin: MAP2 Antibody (CL5420) [NBP2-61417]  
- Staining of human pancreas shows cytoplasmic immunoreactivity in pancreatic islets.





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### **Products Related to NBP2-61417**

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NBP2-61417PEP	MAP2 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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