

# Product Datasheet

## SATB2 Antibody (CL0320) - Azide and BSA Free NBP3-43947

Unit Size: 100 ug

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

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**NBP3-43947**

SATB2 Antibody (CL0320) - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	100 ug
<b>Concentration</b>	LYOPH 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>	CL0320
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml.
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	Lyophilized from a 0.2 um filtered solution in PBS with Trehalose

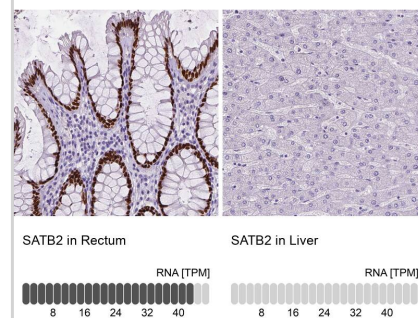
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse SATB2 Antibody (CL0320) - Azide and BSA Free (NBP2-52914) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	23314
<b>Gene Symbol</b>	SATB2
<b>Species</b>	Human, Rat
<b>Immunogen</b>	This antibody was generated using a recombinant protein sequence of Q9UPW6, with the exact immunogen sequence remaining proprietary.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1 ug/ml, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. For Immunocytochemistry/ Immunofluorescence/IF, PFA/Triton X-100 is recommended for fixation/permeabilization.

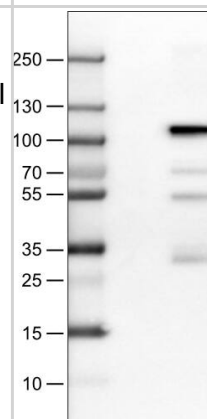


## Images

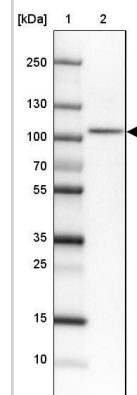
Analysis in human rectum and liver tissues using NBP3-43947 antibody. Corresponding SATB2 RNA-seq data are presented for the same tissues.



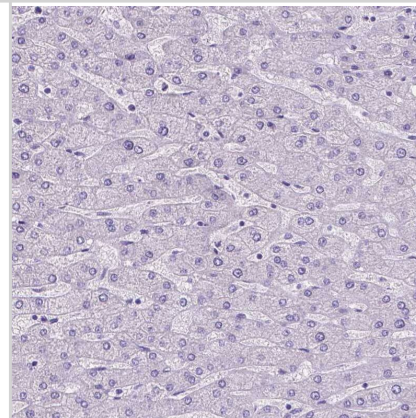
Lane 1: Marker [kDa]  
 Lane 2: Negative control (vector only transfected HEK293T lysate)  
 Lane 3: SATB2 Over-expression Lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells)



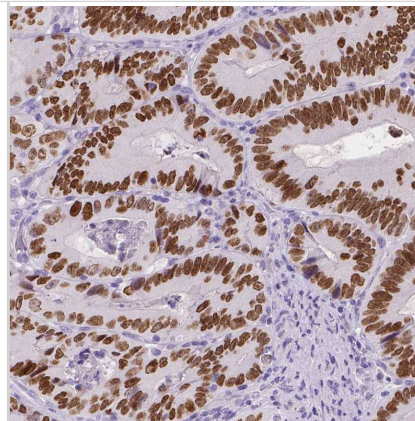
Lane 1: Marker [kDa]  
 Lane 2: Human cell line HEL



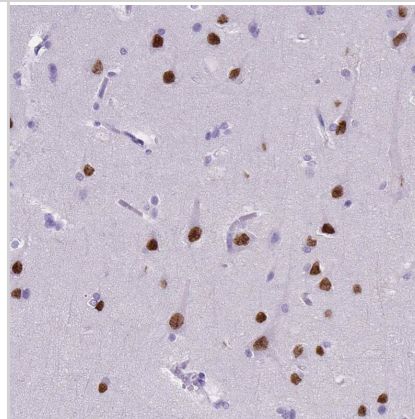
Staining of human liver shows no positivity in hepatocytes as expected.



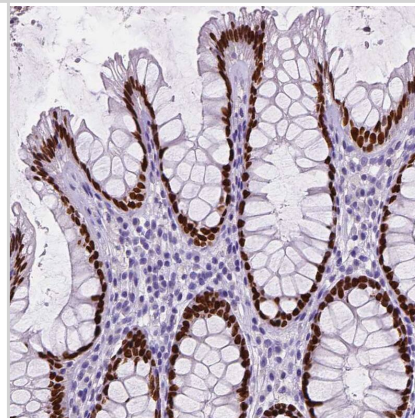
Staining of human colorectal cancer shows strong nuclear positivity in tumor cells.



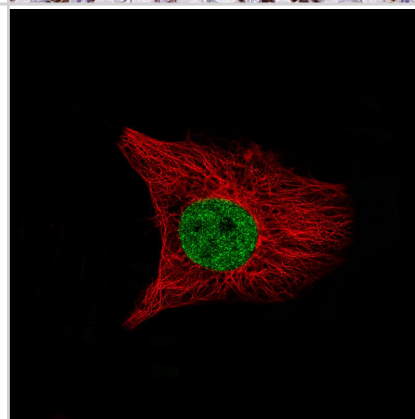
Staining of human cerebral cortex shows strong nuclear positivity in neurons.



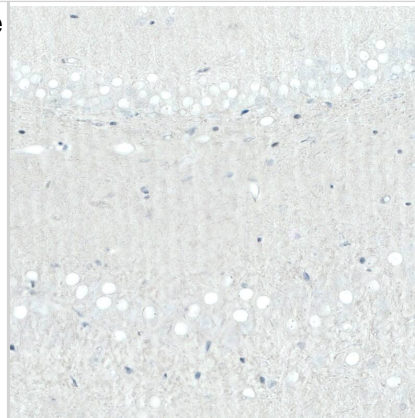
Staining of human rectum shows strong nuclear positivity in glandular cells.



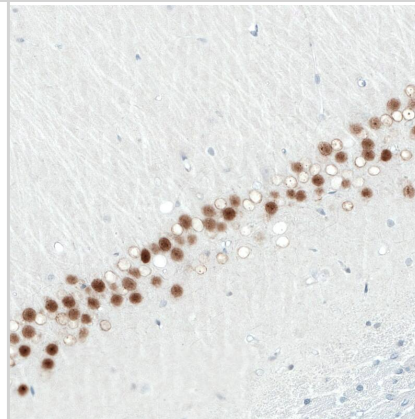
Staining of U-138 MG cells using the Anti-SATB2 monoclonal antibody) .



Staining of rat hippocampus shows no positivity in neurons in the dentate gyrus as expected.



Staining of rat hippocampus shows moderate to strong nuclear positivity in CA1 layer neurons.





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### **Products Related to NBP3-43947**

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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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