

# Product Datasheet

## Ankyrin Brain Antibody - BSA Free NBP2-33863

Unit Size: 0.1 ml

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

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Updated 12/2/2025 v.20.1

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**NBP2-33863**

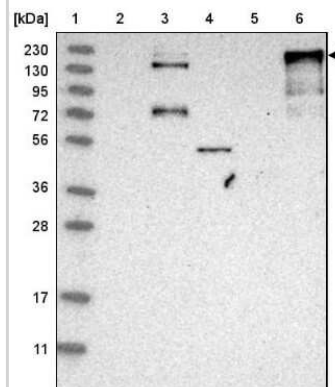
Ankyrin Brain Antibody - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit Ankyrin Brain Antibody - BSA Free (NBP2-33863) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	287
<b>Gene Symbol</b>	ANK2
<b>Species</b>	Human
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (88%), Rat (86%)
<b>Immunogen</b>	This antibody was developed against a recombinant protein corresponding to amino acids: ERLAYIADHLGFSWTELARELDFTEEQIHQIRIENPNSLQDQSHALLKYWLERD GKHATDTNLVECLTKINRMDIVHLMETNTEPLQERISHSYAEIEQTITLDHSEGF SVLQEELCTAQHKQKEEQAVSKESETC
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
<b>Application Notes</b>	IHC-P Retrieval method: HIER pH6. ICC/IF Fixation/Permeabilization: PFA/Triton X-100.

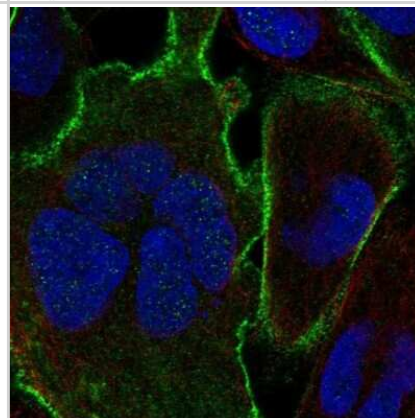


## Images

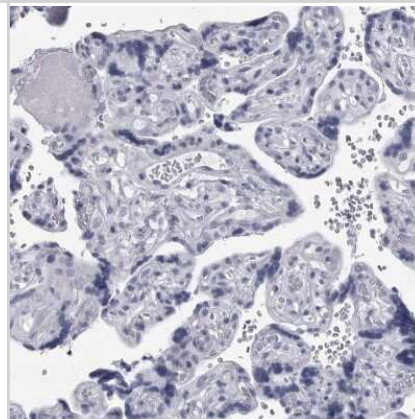
Western Blot: Ankyrin Brain Antibody [NBP2-33863] - Lane 1: Marker [kDa] 230, 130, 95, 72, 56, 36, 28, 17, 11. Lane 2: Human cell line RT-4. Lane 3: Human cell line U-251MG sp. Lane 4: Human plasma (IgG/HSA depleted). Lane 5: Human liver tissue. Lane 6: Human tonsil tissue



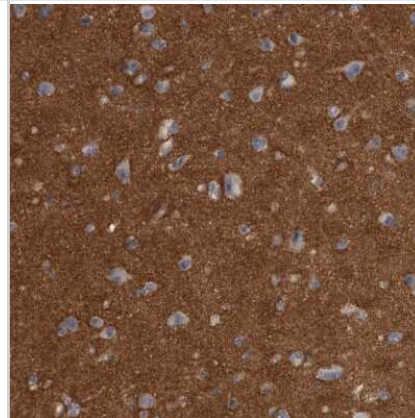
Immunocytochemistry/Immunofluorescence: Ankyrin Brain Antibody [NBP2-33863] - Staining of human cell line RH-30 shows localization to plasma membrane. Antibody staining is shown in green.



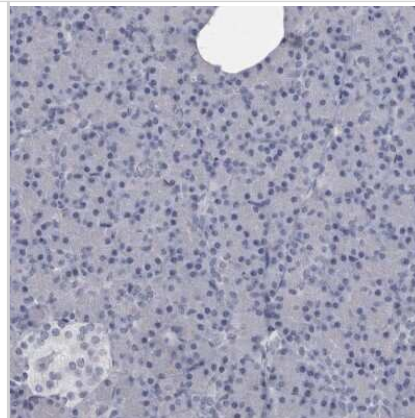
Immunohistochemistry-Paraffin: Ankyrin Brain Antibody [NBP2-33863] - Staining of human placenta shows no positivity in trophoblastic cells as expected.



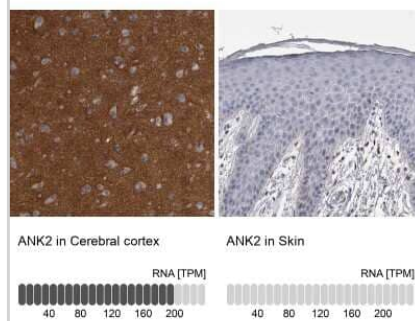
Immunohistochemistry-Paraffin: Ankyrin Brain Antibody [NBP2-33863] - Staining of human cerebral cortex shows high expression.



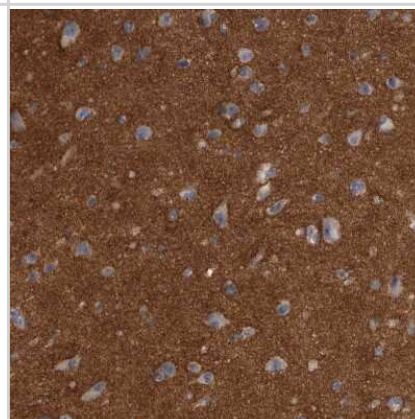
Immunohistochemistry-Paraffin: Ankyrin Brain Antibody [NBP2-33863] - Staining of human pancreas shows low expression as expected.



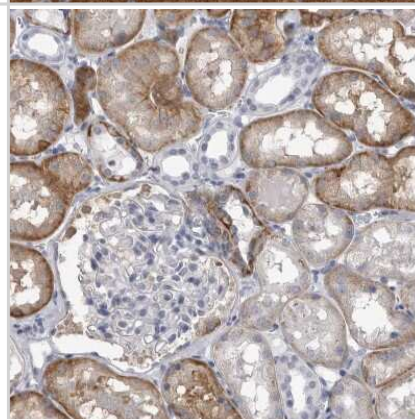
Immunohistochemistry-Paraffin: Ankyrin Brain Antibody [NBP2-33863] - Analysis in human cerebral cortex and skin tissues using NBP2-33863 antibody. Corresponding ANK2 RNA-seq data are presented for the same tissues.



Immunohistochemistry-Paraffin: Ankyrin Brain Antibody [NBP2-33863] - Staining of human cerebral cortex shows strong positivity in neuropil.



Immunohistochemistry-Paraffin: Ankyrin Brain Antibody [NBP2-33863] - Staining of human kidney shows weak to moderate cytoplasmic positivity in cells in tubules.



Immunohistochemistry-Paraffin: Ankyrin Brain Antibody [NBP2-33863] - Staining of human skin shows no positivity in squamous epithelial cells as expected.





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### **Products Related to NBP2-33863**

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NBP2-33863PEP	Ankyrin Brain Recombinant Protein Antigen
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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

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