

# Product Datasheet

## PLC-beta 3 Antibody - BSA Free NBP2-31974

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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**NBP2-31974**

PLC-beta 3 Antibody - BSA Free

Product Information	
<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

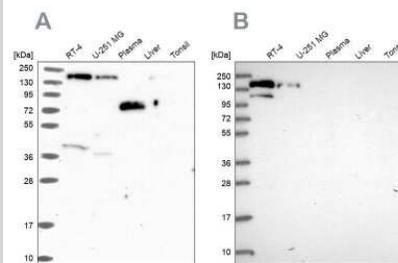
Product Description	
<b>Description</b>	Novus Biologicals Rabbit PLC-beta 3 Antibody - BSA Free (NBP2-31974) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	5331
<b>Gene Symbol</b>	PLCB3
<b>Species</b>	Human
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (81%), Rat (84%)
<b>Immunogen</b>	This antibody was developed against a recombinant protein corresponding to amino acids: ALIGESEAQAGQETCQDTQSQQQLGSQPSSNPTPSPLDASPRRPPGPTTSPAS TSLSSPGQRDDLIASILSEVAPTPLDELRGHKALVKLRSRQERDLRELKQKHKR K

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. Immunocytochemistry/Immunofluorescence Fixation Permeabilization: Use PFA/Triton X-100.

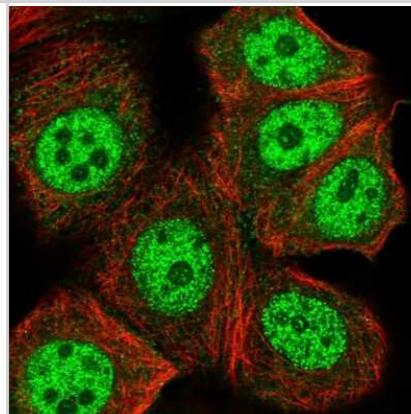


## Images

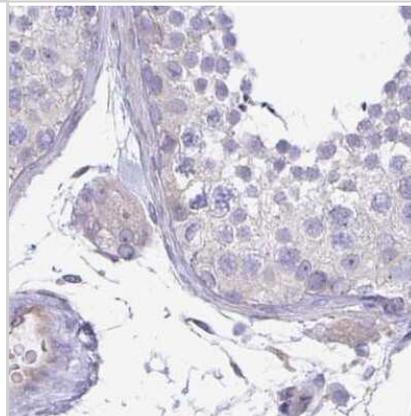
Western Blot: PLC-beta 3 Antibody [NBP2-31974] - Analysis using Anti-PLCB3 antibody NBP2-31974 (A) shows similar pattern to independent antibody NBP2-32026 (B).



Immunocytochemistry/Immunofluorescence: PLC-beta 3 Antibody [NBP2-31974] - Immunofluorescent staining of human cell line MCF7 shows localization to nucleoplasm.



Immunohistochemistry-Paraffin: PLC-beta 3 Antibody [NBP2-31974] - Staining of human testis.



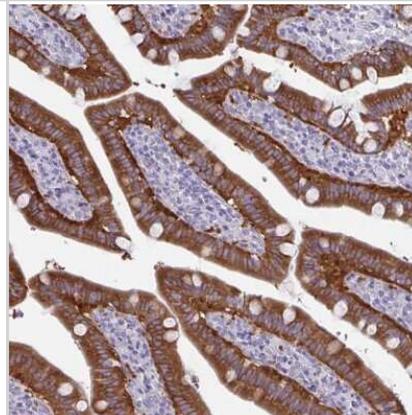
Immunohistochemistry: PLC-beta 3 Antibody [NBP2-31974] - Staining of human small intestine shows strong cytoplasmic positivity in glandular cells.



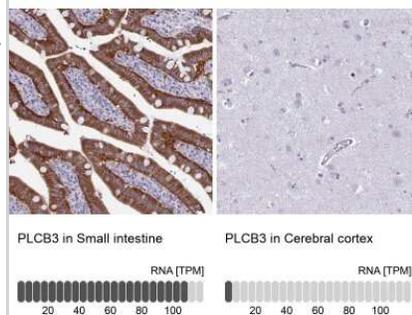
Immunohistochemistry-Paraffin: PLC-beta 3 Antibody [NBP2-31974] - Staining of human cerebral cortex shows low expression as expected.



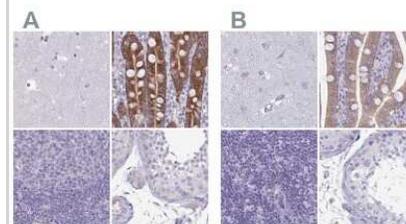
Immunohistochemistry-Paraffin: PLC-beta 3 Antibody [NBP2-31974] - Staining of human small intestine shows high expression.



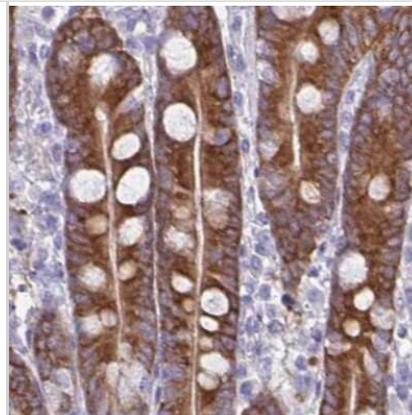
Immunohistochemistry-Paraffin: PLC-beta 3 Antibody [NBP2-31974] - Staining in human small intestine and cerebral cortex tissues using anti-PLCB3 antibody. Corresponding PLCB3 RNA-seq data are presented for the same tissues.



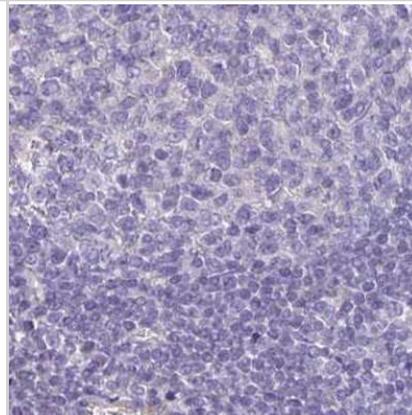
Immunohistochemistry-Paraffin: PLC-beta 3 Antibody [NBP2-31974] - Staining of human cerebral cortex, duodenum, lymph node and testis using Anti-PLCB3 antibody NBP2-31974 (A) shows similar protein distribution across tissues to independent antibody NBP2-32026 (B).



Immunohistochemistry-Paraffin: PLC-beta 3 Antibody [NBP2-31974] - Staining of human duodenum.



Immunohistochemistry-Paraffin: PLC-beta 3 Antibody [NBP2-31974] - Staining of human lymph node.





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### **Products Related to NBP2-31974**

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NBP2-31974PEP	PLC-beta 3 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.

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