

# Product Datasheet

## PLA2R1 Antibody - BSA Free NBP1-84449

Unit Size: 0.1 ml

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

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 9

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Updated 12/2/2025 v.20.1

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**NBP1-84449**

PLA2R1 Antibody - BSA Free

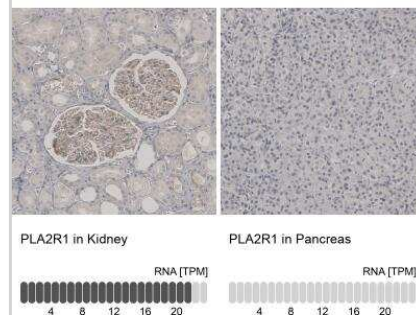
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<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 PLA2R1 Antibody - BSA Free (NBP1-84449) is a polyclonal antibody validated for use in IHC and WB. Anti-PLA2R1 Antibody: Cited in 9 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	22925
<b>Gene Symbol</b>	PLA2R1
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: EEKTWHEALRSCQADNSALIDITSLAEVEFLVTLGDNASETWIGLSSNKIPVS FEWSNDSSVIFTNWHITLEPHIFPNRSQLCVSAEQSEGHWKVKNCERLFYICK KAGHVLSDAESGCQEGWERHGGFCYKID

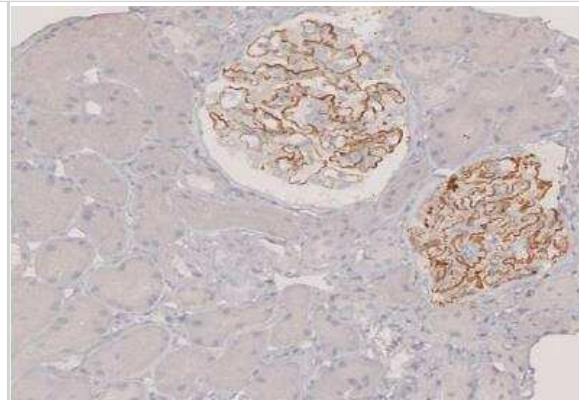
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

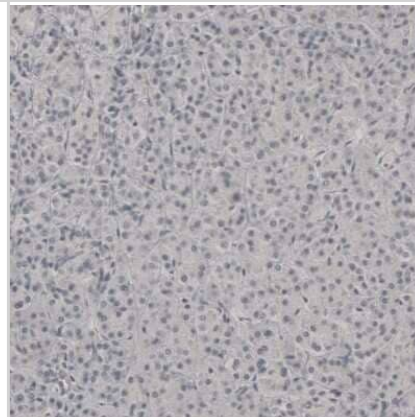
Immunohistochemistry-Paraffin: PLA2R1 Antibody [NBP1-84449] - Staining in human kidney and pancreas tissues. Corresponding PLA2R1 RNA-seq data are presented for the same tissues.



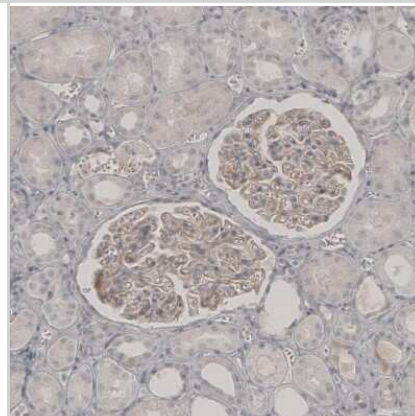
Immunohistochemistry-Paraffin: PLA2R1 Antibody [NBP1-84449] - Staining of human kidney (idiopathic membranous nephropathy) shows strong membranous positivity in cells in glomeruli.



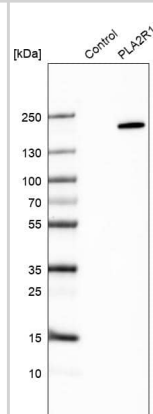
Immunohistochemistry-Paraffin: PLA2R1 Antibody [NBP1-84449] - Immunohistochemical staining of human pancreas shows no positivity in exocrine glandular cells as expected.



Immunohistochemistry-Paraffin: PLA2R1 Antibody [NBP1-84449] - Staining of human kidney shows weak membranous positivity in cells in glomeruli.



Analysis in control (vector only transfected HEK293T lysate) and PLA2R1 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells, LY423477).



## Publications

Ke B, Shen W, Liao Y et al. APC ameliorates idiopathic membranous nephropathy by affecting podocyte apoptosis through the ERK1/2/YB-1/PLA2R1 axis *Molecular and cellular biochemistry* 2023-01-02 [PMID: 36588134] (WB, Human)

Iwakura T, Ohashi N, Kato A et al. Prevalence of Enhanced Granular Expression of Thrombospondin Type-1 Domain-Containing 7A in the Glomeruli of Japanese Patients with Idiopathic Membranous Nephropathy. *PLoS One* 2015-01-01 [PMID: 26393352] (IF/IHC, Human)

Dauvergne M, Moktefi A, Rabant M et al. Membranous Nephropathy Associated With Immunological Disorder-Related Liver Disease: A Retrospective Study of 10 Cases. *Medicine (Baltimore)* 2015-07-01 [PMID: 26222864] (IF/IHC, Human)

Akiyama S, Akiyama M, Imai E et al. Prevalence of anti-phospholipase A2 receptor antibodies in Japanese patients with membranous nephropathy. *Clin Exp Nephrol* 2015-08-01 [PMID: 25412738] (WB, Human)

Augert A, Vindrieux D, Girard CA et al. PLA2R1 kills cancer cells by inducing mitochondrial stress. *Free Radic Biol Med* 2013-12-01 [PMID: 23994771]

Svobodova B, Honsova E, Ronco P et al. Kidney biopsy is a sensitive tool for retrospective diagnosis of PLA2R-related membranous nephropathy. *Nephrol Dial Transplant* 2013-07-01 [PMID: 23223223]

Hoxha E, Kneibetaler U, Stege G et al. Enhanced expression of the M-type phospholipase A2 receptor in glomeruli correlates with serum receptor antibodies in primary membranous nephropathy. *Kidney Int* 2012-10-01 [PMID: 22673885]

Debiec H, Martin L, Jouanneau C et al. Autoantibodies specific for the phospholipase A2 receptor in recurrent and De Novo membranous nephropathy. *Am J Transplant* 2011-10-01 [PMID: 21827616]

Debiec H, Ronco P et al. PLA2R autoantibodies and PLA2R glomerular deposits in membranous nephropathy. *N Engl J Med* 2011-02-01 [PMID: 21323563]





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General: novus@novusbio.com

### **Products Related to NBP1-84449**

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NBP1-84449PEP	PLA2R1 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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