

# Product Datasheet

## P311 Antibody - BSA Free NBP1-84315

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: 3

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Updated 9/9/2025 v.20.1

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**NBP1-84315**

P311 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

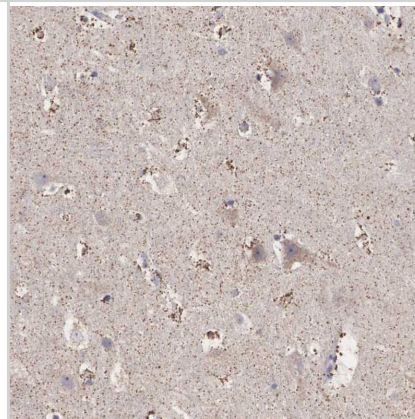
Product Description	
Description	Novus Biologicals Rabbit P311 Antibody - BSA Free (NBP1-84315) is a polyclonal antibody validated for use in IHC. Anti-P311 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	9315
Gene Symbol	NREP
Species	Human
Reactivity Notes	Please note that mouse reactivity was reported in PMID 9270129, which used an older lot that is no longer available. Immunogen has 78% sequence identity with mouse but has not been tested in house.
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: YYPELFVWVSQEPFPNKDMEGRLPKGRLPVPKEVNRKKNDETNAASLTPLGS SEL

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. Please note that ICC/IF was reported in PMID 9270129, which used an older lot that is no longer available. Current lot is not validated for use in ICC/IF.

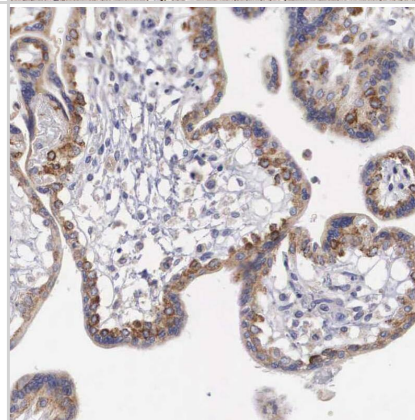


## Images

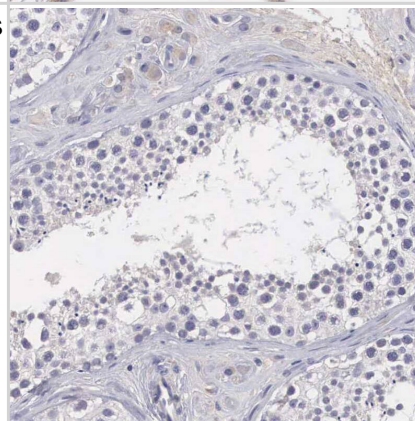
Staining of human cerebral cortex shows strong cytoplasmic positivity in glial cells, axons and dendrites.



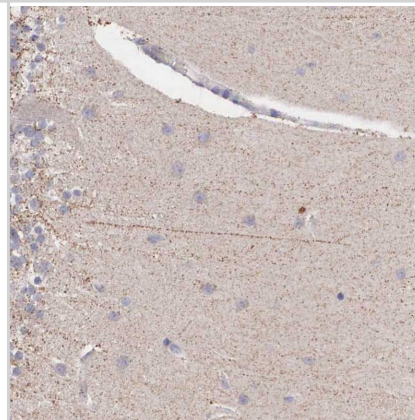
Staining of human placenta shows strong cytoplasmic positivity in trophoblastic cells.



Staining of human testis shows no positivity in cells in seminiferous ducts as expected.



Staining of human cerebellum shows strong cytoplasmic positivity in dendrites.



## Publications

Zhou D, Liu T, Wang S et al. Effects of IL-1 $\beta$  and TNF- $\alpha$  on the Expression of P311 in Vascular Endothelial Cells and Wound Healing in Mice *Frontiers in Physiology* 2020-11-27 [PMID: 33329015]

Wang S, Zhang X, Qian W et al. P311 Deficiency Leads to Attenuated Angiogenesis in Cutaneous Wound Healing. *Front Physiol* 2017-12-06 [PMID: 29270129] (IHC-P, Mouse)

Ek S, Andreasson U, Hober S et al. From gene expression analysis to tissue microarrays: a rational approach to identify therapeutic and diagnostic targets in lymphoid malignancies. *Mol Cell Proteomics* 2006-06-01 [PMID: 16524965]





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### **Products Related to NBP1-84315**

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NBP1-84315PEP	P311 Recombinant Protein Antigen
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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