

# Product Datasheet

## Apolipoprotein A-IV/ApoA4 Antibody - BSA Free NBP1-86179

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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### Publications: 3

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**NBP1-86179**

Apolipoprotein A-IV/ApoA4 Antibody - BSA Free

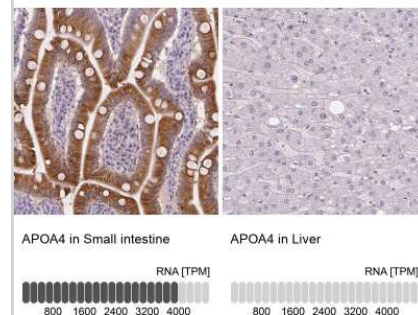
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Description	Novus Biologicals Rabbit Apolipoprotein A-IV/ApoA4 Antibody - BSA Free (NBP1-86179) is a polyclonal antibody validated for use in IHC and WB. Anti-Apolipoprotein A-IV/ApoA4 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	337
Gene Symbol	APOA4
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LEGLTFQMKKNAEELKARISASAEELRQRLAPLAEDVRGNLRGNTEGLQKSLA ELGGHLDQQVEEFRRRVPEPYGENFNKALVQQMEQLRQKLGPHAGDVEGHLS FLEKDLRDKVNSFFSTFKEKESQDKTSLP

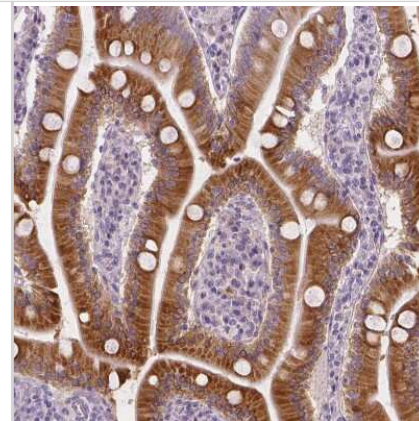
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

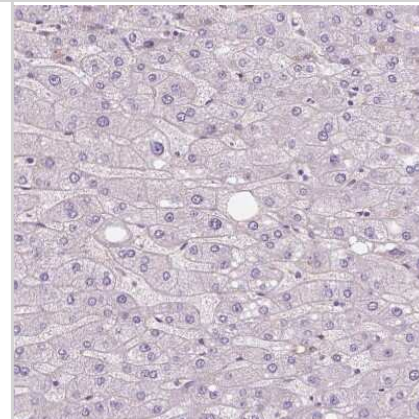
Immunohistochemistry-Paraffin: Apolipoprotein A-IV/ApoA4 Antibody [NBP1-86179] - Analysis in human small intestine and liver tissues. Corresponding APOA4 RNA-seq data are presented for the same tissues.



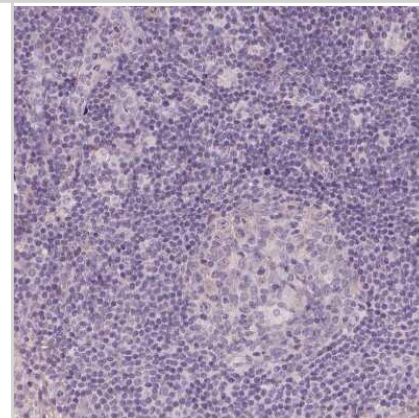
Immunohistochemistry-Paraffin: Apolipoprotein A-IV/ApoA4 Antibody [NBP1-86179] - Staining of human small intestine shows strong cytoplasmic positivity in glandular cells.



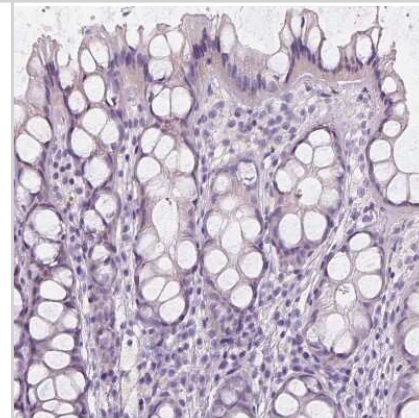
Immunohistochemistry-Paraffin: Apolipoprotein A-IV/ApoA4 Antibody [NBP1-86179] - Staining of human liver shows no positivity in hepatocytes as expected.



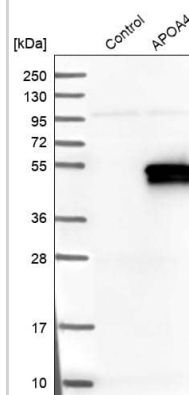
Immunohistochemistry-Paraffin: Apolipoprotein A-IV/ApoA4 Antibody [NBP1-86179] - Staining of human lymph node shows no positivity in non-germinal center cells as expected.



Immunohistochemistry-Paraffin: Apolipoprotein A-IV/ApoA4 Antibody [NBP1-86179] - Staining of human colon shows no positivity in glandular cells as expected.



Analysis in control (vector only transfected HEK293T lysate) and APOA4 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells).



## Publications

Beusch CM, Simonson OE, Wedin JO et al. Analysis of local extracellular matrix identifies different aetiologies behind bicuspid and tricuspid aortic valve degeneration and suggests therapies Cellular and Molecular Life Sciences 2023-09-01 [PMID: 37632572]

Kato BS, Nicholson G, Neiman M et al. Variance decomposition of protein profiles from antibody arrays using a longitudinal twin model. Proteome Sci 2011-11-17 [PMID: 22093360]

Levin Y, Wang L, Schwarz E et al. Global proteomic profiling reveals altered proteomic signature in schizophrenia serum. Mol Psychiatry 2010-11-01 [PMID: 19546861]



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### **Products Related to NBP1-86179**

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NBP1-86179PEP	Apolipoprotein A-IV/ApoA4 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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