

Product Datasheet

Apolipoprotein D Antibody

NBP2-42526

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NBP2-42526

Apolipoprotein D Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat Apolipoprotein D Antibody (NBP2-42526) is a polyclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-Apolipoprotein D Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	347
Gene Symbol	APOD
Species	Human
Immunogen	Peptide with sequence EIEKIPTTFENGRC corresponding to internal region according to NP_001638.1.

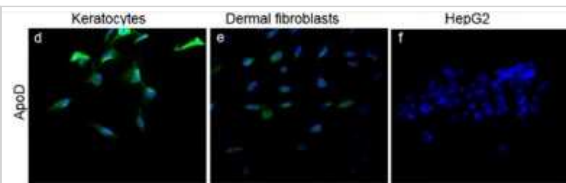
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Western Blot 0.3 - 1 ug/mL, Flow Cytometry, Immunohistochemistry 5 ug/mL, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 5 ug/mL, Peptide ELISA Detection limit 1:32000
Application Notes	Use in Flow reported in scientific literature (PMID:33334888). WB: Approx. 25 kDa band observed in human liver and kidney lysates (calculated MW of 21.3 kDa band according to NP_001638.1). The observed molecular weight corresponds to the glycosylated form. Use in ICC/IF was reported in scientific literature (PMID: 31779197).

Images

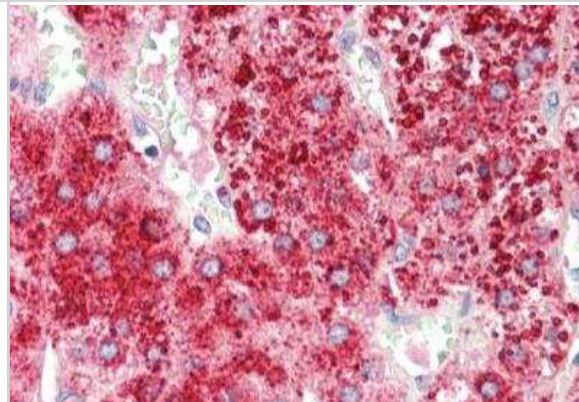
Western Blot: Apolipoprotein D Antibody [NBP2-42526] - Analysis of Human Liver lysate (35 ug protein in RIPA buffer). Antibody at 0.3 ug/mL. Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa
150kDa
100kDa
75kDa
50kDa
37kDa
25kDa
20kDa
15kDa

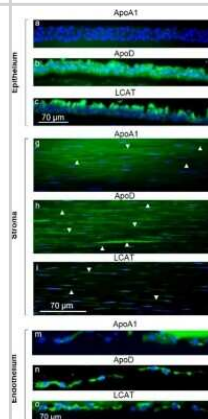
Immunocytochemistry/Immunofluorescence: Apolipoprotein D Antibody [NBP2-42526] - Figure 4. ApoA1, ApoD (Apolipoprotein D), and LCAT immunolabeling in cultured keratocytes, dermal fibroblasts, and HepG2 liver cells. Cells were immunolabeled with ApoD (d-f) antibodies (green). DAPI was used to visualize DNA (blue). Anti-ApoD immunolabeled keratocytes (d) and dermal fibroblasts (e), but not HepG2 cells (f). Image collected and cropped by CiteAb from the following publication (www.mdpi.com/2218-273X/9/12/785/htm) licensed under a CC-BY license.



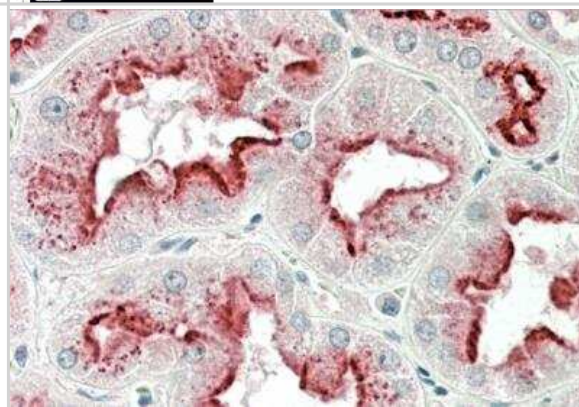
Immunohistochemistry-Paraffin: Apolipoprotein D Antibody [NBP2-42526] - Staining of paraffin embedded Human Adrenal Gland. Antibody at 5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



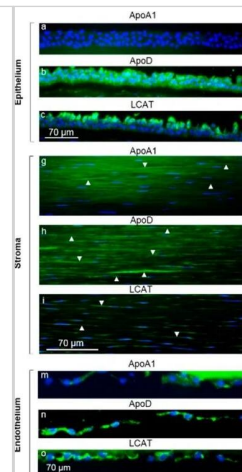
Immunocytochemistry/Immunofluorescence: Apolipoprotein D Antibody [NBP2-42526] - Immunostaining of apolipoprotein (Apo)A1, ApoD (Apolipoprotein D), and lecithin:cholesterol acyltransferase (LCAT) in the human central cornea. Frozen sections from an individual cornea were incubated at 4 C with either anti-ApoA1 (a) or LCAT (o) antibodies (green). Nuclei were stained blue with DAPI. Antibodies were detected as described in the Materials and Methods. The epithelium, stromal keratocytes, and endothelium showed staining of LCAT (o). Image collected and cropped by CiteAb from the following publication (www.mdpi.com/2218-273X/9/12/785) licensed under a CC-BY license.



Immunohistochemistry-Paraffin: Apolipoprotein D Antibody [NBP2-42526] - Staining of paraffin embedded Human Kidney. Antibody at 5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunostaining of apolipoprotein (Apo)A1, ApoD, and lecithin:cholesterol acyltransferase (LCAT) in the human central cornea. Frozen sections from an individual cornea were incubated at 4 C with either anti-ApoA1 (a,g,m), ApoD (b,h,n) or LCAT (c,i,o) antibodies (green). Nuclei were stained blue with DAPI. Control sections (right panel) were incubated with the same concentrations of either rabbit IgG (d,f,j,l,p,r) or goat IgG (e,k,q). Antibodies were detected as described in the Materials and Methods. The epithelium, stromal keratocytes, and endothelium showed staining of ApoD (b,h,n) and LCAT (c,i,o). ApoA1 was detected in the stromal keratocytes and endothelium (g,m), but not in the epithelium. Arrowheads indicate some of the immunolabeled keratocytes. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/31779197>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Schlotter F, de Freitas RCC, Rogers MA Et al. ApoC-III is a novel inducer of calcification in human aortic valves J Biol Chem 2020-12-18 [PMID: 33334888] (FLOW, Human)

Details:

Citation using the PE version of this antibody.

Flores R, Jin X, Chang J et al. LCAT, ApoD, and ApoA1 Expression and Review of Cholesterol Deposition in the Cornea Biomolecules 2019-11-26 [PMID: 31779197] (ICC/IF, Human)

Chen H, Li Y, Du J et al. Increased JNK1 activity contributes to the upregulation of ApoD in the apocrine secretory gland cells from axillary osmidrosis. Mol Cell Biochem 2011-08-01 [PMID: 21526344]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-42526

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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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