

Product Datasheet

ABCA1 Antibody (1276B) - BSA Free NBP2-54792

Unit Size: 0.1 mg

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

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NBP2-54792

ABCA1 Antibody (1276B) - BSA Free

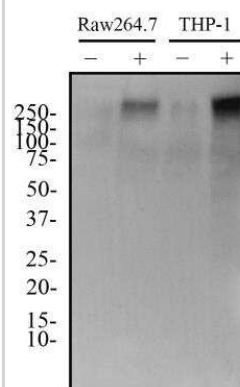
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1276B
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Protein A or G purified
Buffer	PBS

Product Description	
Host	Rabbit
Gene ID	19
Gene Symbol	ABCA1
Species	Human, Mouse
Immunogen	A synthetic peptide made to an internal portion of the human ABCA1 Antibody (1276B) (between amino acids 1220-1280) [UniProt# O95477]

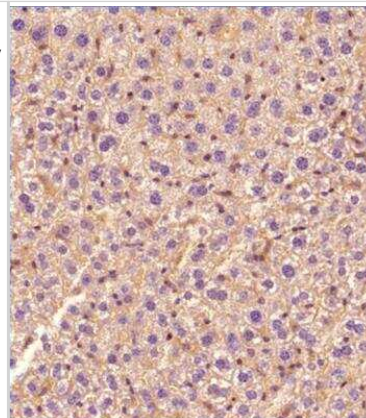
Product Application Details	
Applications	Western Blot, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 2 ug/ml, Immunohistochemistry 1:50 - 1:100, Immunocytochemistry/ Immunofluorescence 10-20 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:100, Flow (Intracellular) 1-2.5 ug/mL

Images

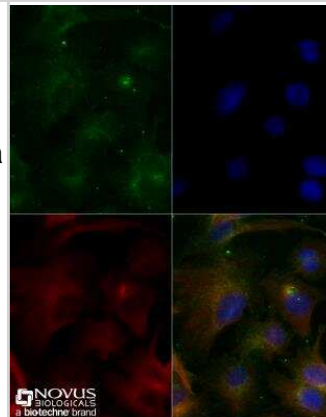
Western Blot: ABCA1 Antibody (1276B) [NBP2-54792] - Mouse
Raw264.7 and human THP-1 cells were treated with and without the LXR agonist TO901317 (1 uM) for 24 hours. Total protein was then separated on a 12% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 0.5 ug/ml anti-ABCA1 in 5% non-fat milk in TBST and detected with an anti-rabbit HRP secondary antibody using chemiluminescence.



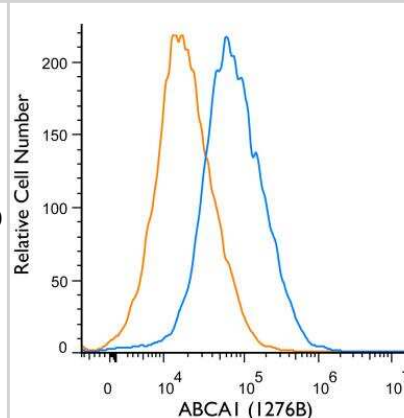
Immunohistochemistry-Paraffin: ABCA1 Antibody (1276B) [NBP2-54792]
 - Analysis of a FFPE tissue section of mouse liver using ABCA1 antibody (1276B) Lot ckjv02 at 1:100 dilution. The primary antibody bound to ABCA1 antigen in the tissue section was detected using a HRP labeled secondary antibody and DAB reagent. Nuclei of the cells were counterstained with hematoxylin. This ABCA1 antibody generated specific staining in the membranes of the hepatocytes and the Kupffer cells. As expected for ABCA1, the staining signal was stronger in the Kupffer cells which are the tissue macrophages in liver.



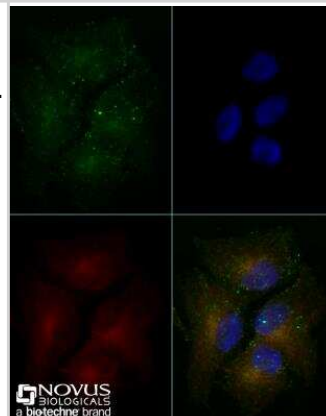
Immunocytochemistry/Immunofluorescence: ABCA1 Antibody (1276B) [NBP2-54792]
 - HepG2 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with anti-ABCA1 at 10 ug/ml overnight at 4C and detected with an anti-rabbit DyLight 488 (Green) at a 1:500 dilution. Alpha tubulin (DM1A) NB100-690 was used as a co-stain at a 1:1000 dilution and detected with an anti-mouse DyLight 550 (Red) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



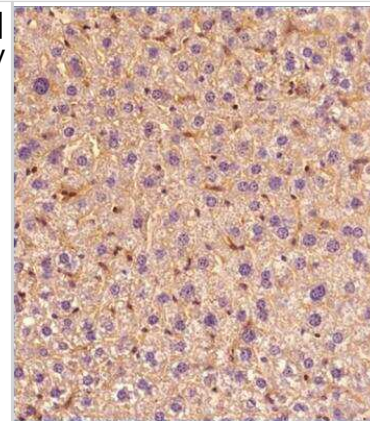
Flow (Intracellular): ABCA1 Antibody (1276B) [NBP2-54792]
 - An intracellular stain was performed on HepG2 Cells with ABCA1 (1276B) antibody NBP2-54792 (blue) and a matched isotype control MAB1050 (orange). Cells were fixed with 4% paraformaldehyde, following fixation, cells were permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature, followed by rabbit IgG APC-conjugated secondary antibody (F0111, R&D Systems).



Immunocytochemistry/Immunofluorescence: ABCA1 Antibody (1276B) [NBP2-54792]
 - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with anti-ABCA1 at 10 ug/ml overnight at 4C and detected with an anti-rabbit DyLight 488 (Green) at a 1:500 dilution. Alpha tubulin (DM1A) NB100-690 was used as a co-stain at a 1:1000 dilution and detected with an anti-mouse DyLight 550 (Red) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



Immunohistochemistry-Paraffin: ABCA1 Antibody (1276B) [NBP2-54792] - Analysis of a FFPE tissue section of mouse liver using ABCA1 antibody (1276B) Lot ckjv0116091 at 1:50 dilution. The primary antibody bound to ABCA1 antigen in the tissue section was detected using a HRP labeled secondary antibody and DAB reagent. Nuclei of the cells were counterstained with hematoxylin. This ABCA1 antibody generated specific staining in the membranes of the hepatocytes and the Kupffer cells. As expected for ABCA1, the staining signal was stronger in the Kupffer cells which are the tissue macrophages in liver.



Publications

Zhao W, Fan J, Kulic I et al. Axl receptor tyrosine kinase is a regulator of apolipoprotein E Mol Brain 2020-05-04 [PMID: 32366277] (WB, Human)



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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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