

# ABCA1 Monoclonal Antibody (3A1.891.3)

Product Details	
Size	100 µL
Species Reactivity	Mouse
Host/Isotype	Rat / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	3A1.891.3
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to the N-terminal loop residues 200-250 of mouse ABCA1.
Form	Liquid
Concentration	Conc. Not Determined
Storage buffer	ascites
Contains	0.1% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_779127

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:3,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:500	-
Immunocytochemistry (ICC/IF)	1:100	-

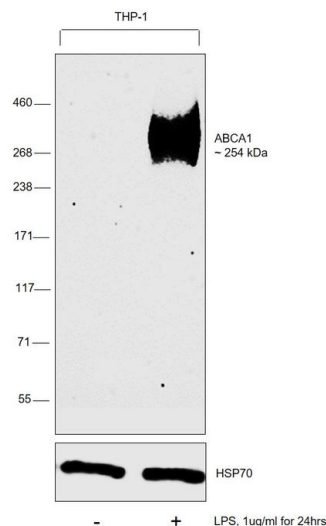
## Product Specific Information

This antibody does not react with human ABCA1.

Product Images For ABCA1 Monoclonal Antibody (3A1.891.3)

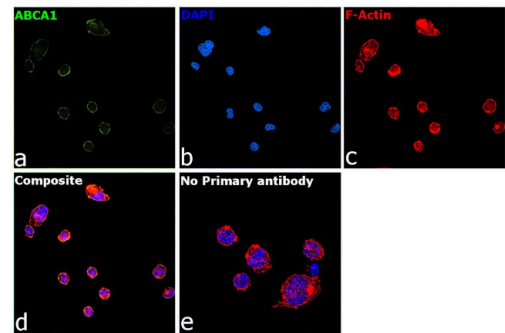
ABCA1 Antibody (MA1-16936)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using ABCA1 Monoclonal Antibody (3A1.891.3) (Product # MA1-16936) shows an increase in expression of ABCA1 in THP-1 upon LPS treatment. {TM}



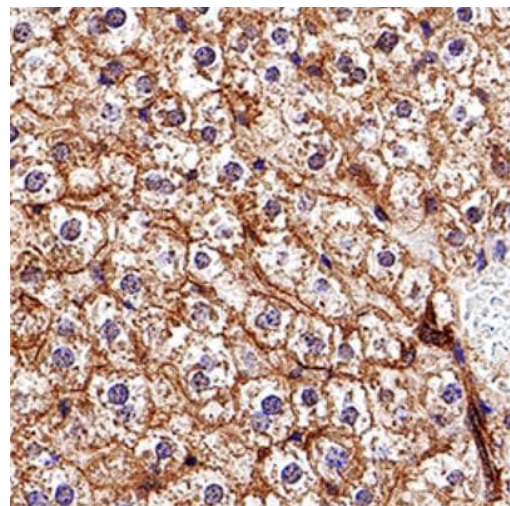
ABCA1 Antibody (MA1-16936) in ICC/IF

Immunofluorescence analysis of ABCA1 was performed using log phase THP-1 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with ABCA1 Monoclonal Antibody (3A1.891.3) (Product # MA1-16936) at 1:100 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight and then with Goat anti-Rat IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 488 (Product # A-11006) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing membrane localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



ABCA1 Antibody (MA1-16936) in IHC (P)

Immunohistochemical analysis of ABCA1 in formalin-fixed paraffin-embedded mouse liver. Samples were incubated in ABCA1 monoclonal antibody (Product # MA1-16936) using a dilution of 1:500. Bond Rx autostainer (Leica Biosystems). The assay involved 20 minutes of heat induced antigen retrieval (HIER) using 10mM sodium citrate buffer (pH 6.0) and endogenous peroxidase quenching with peroxide block. The sections were incubated with primary antibody for 30 minutes and Bond Polymer Refine Detection (Leica Biosystems) with DAB was used for signal development followed by counterstaining with hematoxylin. Whole slide scanning and capturing of representative images was performed using Aperio AT2 (Leica Biosystems). Plasma membrane staining was observed. Staining was performed by Histowiz.



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