

# APOE Monoclonal Antibody (1D2)

Product Details	
Size	1 mL
Species Reactivity	Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	1D2
Conjugate	Unconjugated
Immunogen	Recombinant, full length human protein.
Form	Liquid
Concentration	Not Determined
Storage buffer	tissue culture supernatant
Contains	0.09% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2258483

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
Immunohistochemistry (Frozen) (IHC (F))	Assay-dependent	-
Immunocytochemistry (ICC/IF)	1:100	-

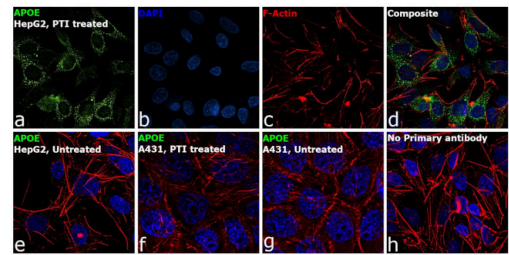
## Product Specific Information

Predicted molecular weight is 38 kDa.

Product Images For APOE Monoclonal Antibody (1D2)

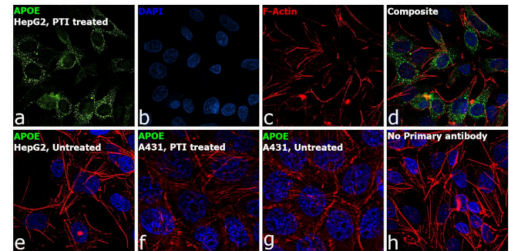
APOE Antibody (MA1-25289) in ICC/IF

Immunofluorescence analysis of APOE was performed using 70% confluent log phase Hep G2 cells and Hep G2 cells treated with PTI. 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 APOE Mouse Monoclonal Antibody (1D2) (Product # MA1-25289) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then with Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32723) 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 cytoplasmic localization. Panel e represents Hep G2 untreated cells showing no expression of APOE. Panel f represents A-431 cells treated with PTI showing no expression of APOE. Panel g represents A-431 untreated cells showing no expression of APOE. Panel h represents control Hep G2 cells with no primary antibody to assess background. The images were captured at 60X magnification.



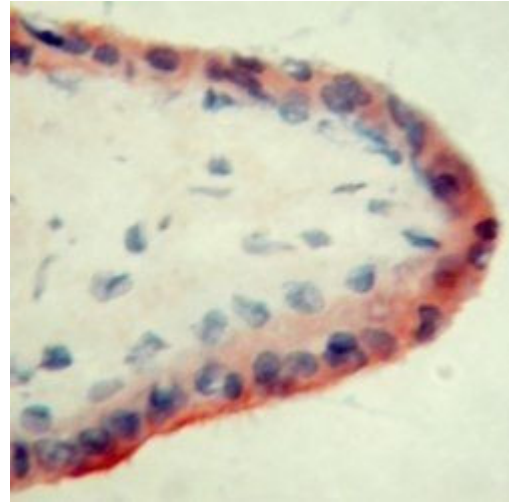
APOE Antibody (MA1-25289)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis using APOE Mouse Monoclonal Antibody (1D2) (Product # MA1-25289) showed expression of APOE only in Hep G2 cells treated with PTI as compared to A-431 cells treated with PTI. {RE}



APOE Antibody (MA1-25289) in IHC (F)

Immunohistochemistry analysis of 8.6 week placenta tissue using (Product # MA1-25289) APOE Monoclonal Antibody (1D2).



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