

APOE Polyclonal Antibody

Product Details

Size	100 µg
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	E.coli-derived human Apolipoprotein E recombinant protein (Position: K19-H317).
Form	Lyophilized
Concentration	500 µg/mL
Purification	Affinity chromatography
Storage buffer	PBS with 5mg BSA
Contains	0.05mg sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2807036

Applications	Tested Dilution	Publications
Western Blot (WB)	0.1-0.5 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	0.5-1 µg/mL	-
Immunohistochemistry (Frozen) (IHC (F))	0.5-1 µg/mL	-
Immunocytochemistry (ICC/IF)	5 µg/mL	-
Flow Cytometry (Flow)	1-3 µg/1x10 ⁶ cells	-
ELISA (ELISA)	1-5 µg/mL	-

Product Specific Information

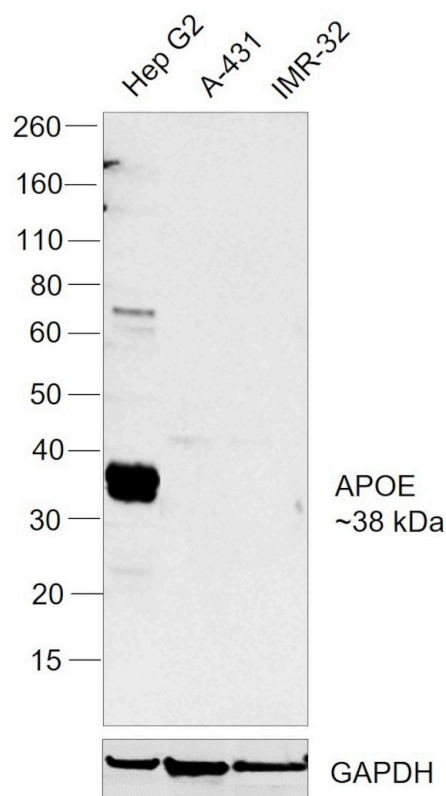
Human Apolipoprotein E shares 73% and 72% amino acid (aa) sequence identity with mouse and rat Apolipoprotein E, respectively.

Reconstitute with 0.2 mL of distilled water to yield a concentration of 500 µg/mL.

Product Images For APOE Polyclonal Antibody

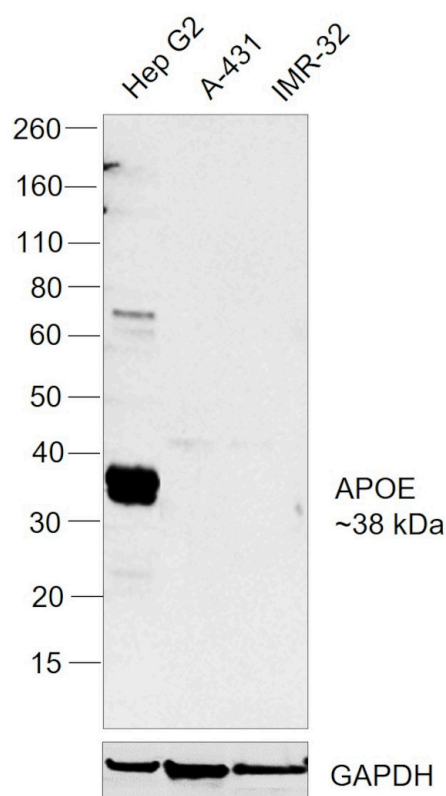
APOE Antibody (PA5-95232)

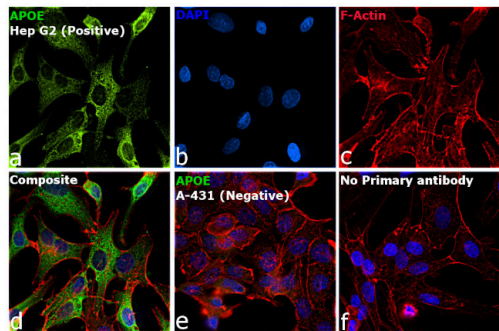
Antibody specificity was demonstrated by the detection of differential basal expression of the target across the cell lines tested, owing to their inherent genetic constitution. APOE expression was found in HepG2 but not in A-431 or IMR-32 cell lines, which have been reported to be negative for APOE using APOE Polyclonal Antibody (Product # PA5-95232) in Western Blot. {RE}



APOE Antibody (PA5-95232) in WB

Western blot was performed using APOE Polyclonal Antibody (Product # PA5-95232) and a 38 kDa band corresponding to APOE was observed only in HepG2 cell line as compared to A-431 and IMR-32 cell lines which are reported to be negative for APOE expression. Whole cell extracts (30 µg lysate) of Hep G2 (Lane 1), A-431 (Lane 2), IMR-32 (Lane 3) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX), 10 well. Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23002) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (0.5 µg/mL) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:20,000 dilution) using the iBright™ FL1500 Imaging System (Product # A44115). Chemiluminescent detection was performed using SuperSignal™ West Pico PLUS Chemiluminescent Substrate (Product # 34580).





APOE Antibody (PA5-95232)

Antibody specificity was demonstrated by the detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis using APOE Polyclonal Antibody (Product # PA5-95232) shows cytoplasmic staining only in HepG2 when compared to A-431, which is reported to be negative for APOE expression. {RE}

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