

# ATP1B1 Recombinant Rabbit Monoclonal Antibody (ARC1232)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	ARC1232
Conjugate	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 204-303 of human ATP1B1 (P05026)
Form	Liquid
Concentration	1.04 mg/mL
Purification	Affinity Chromatography
Storage buffer	PBS, pH 7.3, with 50% glycerol, 0.05% BSA
Contains	0.02% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2849547

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:200	-

## Product Specific Information

Immunogen sequence: YNPNVLPVQC TGKRDEDKDK VGNVEYFGLG NSPGFPLQYY PYYGKLLQPK YLQPLLAVQF  
TNLTMDTEIR IECKAYGENI GYSEKDRFQG RFDVKIEVKS

Product Images For ATP1B1 Recombinant Rabbit Monoclonal Antibody (ARC1232)

ATP1B1 Antibody (MA5-35647) in WB

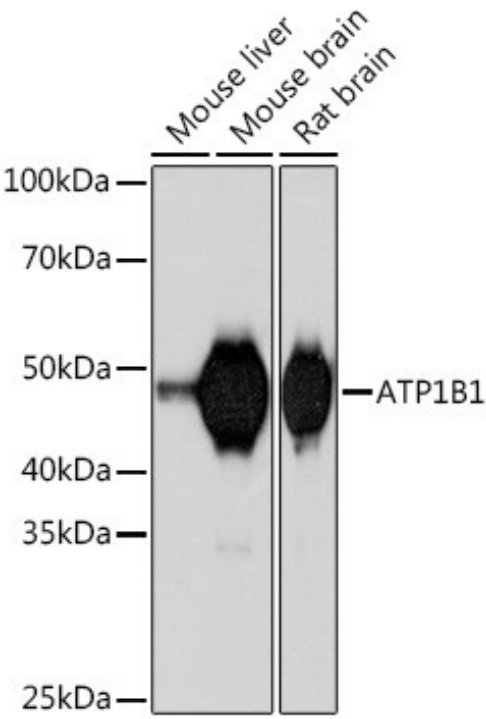
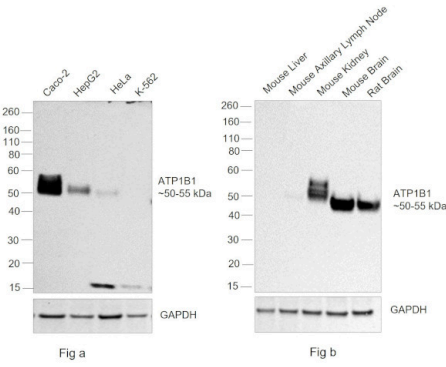
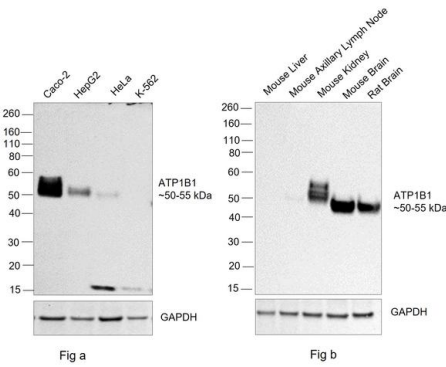
Western blot was performed using Anti-ATP1B1 Recombinant Rabbit Monoclonal Antibody (ARC1232) (Product # MA5-35647) and a band around 50-55 kDa corresponding to ATP1B1 was observed in Caco-2, Hep G2 and HeLa but very low or negative in K-562 (Fig a) and similarly in tissues ATP1B1 expression is observed in Mouse Kidney, Mouse Brain, and Rat Brain but not in Mouse Liver and Mouse Lymph Node (Fig b) which are reported to be low or negative. Whole cell extracts (30 µg lysate) of Caco-2 (Lane 1), Hep G2 (Lane 2), HeLa (Lane 3), K-562 (Lane 4) in Fig a; Mouse Liver (Lane 1), Mouse Axillary Lymph node (Lane 2), Mouse Kidney (Lane 3), Mouse Brain (Lane 4), Rat Brain (Lane 5) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). 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 (1:1000 dilution) 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).

ATP1B1 Antibody (MA5-35647)

Antibody specificity was demonstrated by the detection of differential basal expression of the target across cell lines and tissues tested owing to their inherent genetic constitution. Relative expression of ATP1B1 was observed in Caco-2, HepG2, HeLa, Mouse Kidney, Mouse Brain, and Rat Brain as compared to K-562, Mouse Liver, and Mouse Lymph Node which are reported to be low to negative for ATP1B1 expression using Anti-ATP1B1 Recombinant Rabbit Monoclonal Antibody (ARC1232) (Product # MA5-35647) in Western Blot. {RE}

ATP1B1 Antibody (MA5-35647) in WB

Western blot analysis of ATP1B1 in extracts of various cell lines. Samples were incubated with ATP1B1 Monoclonal antibody (Product # MA5-35647) using a dilution of 1:1,000, followed by HRP Goat Anti-Rabbit IgG (H+L) at a dilution of 1:10,000. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.



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