

# AKR1C3 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-323 of human AKR1C3 (NP_0037304)
Form	Liquid
Concentration	0.6 mg/mL
Purification	Affinity Chromatography
Storage buffer	PBS, pH 7.3, with 50% glycerol
Contains	0.01% thimerosal
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2807728

Applications	Tested Dilution	Publications
Western Blot (WB)	0.5 ug- 4ug	-
Immunocytochemistry (ICC/IF)	1:50-1:200	-
Immunoprecipitation (IP)	1:50-1:100	-

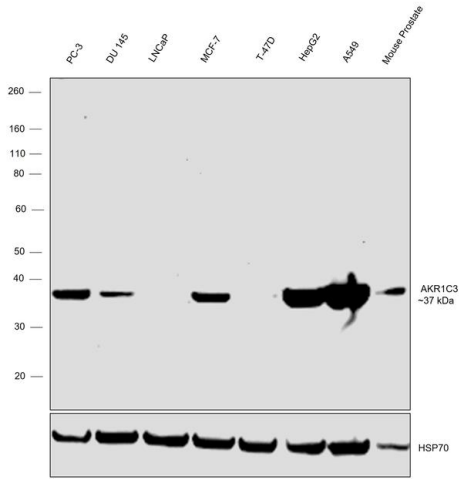
## Product Specific Information

Immunogen sequence: MDSKHQCVKL NDGHFMPVLG FGTYAPPEVP RSKALEVTKL AIEAGFRHID SAHLYNNEEQ VGLAIRSKIA DGSVKREDIF YTSKLWSTFH RPELVPALE NSLKKAQLDY VDLYLIHSPM SLKPGEELSP TDENGKVIFD IVDLCTTWEA MEKCKDAGLA KSIGVSNFNR RQLEMILNKP GLKYKPVCNQ VECHPYFNRS KLLDFCKSKD IVLVAYSALG SQRDKRWVDP NSPVLLEDPV LCALAKKHKR TPALIALRYQ LQRGVVVLAK SYNEQRIRQN VQVFEFQLTA EDMKAIDGLD RNLHYFNSDS FASHPNYPYS DEY; Positive Samples: U-87MG, 293T, LO2, A-549, DU145, Mouse kidney; Cellular Location: Cytoplasm

## Product Images For AKR1C3 Polyclonal Antibody

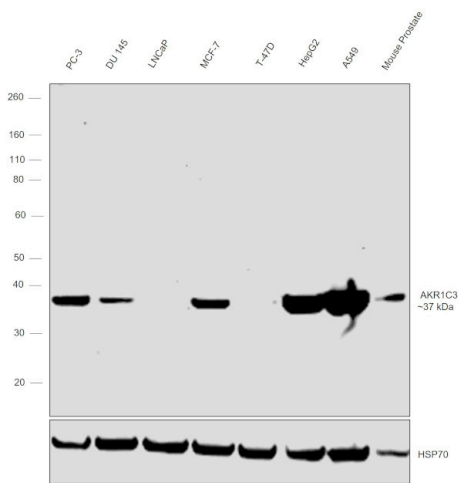
### AKR1C3 Antibody (PA5-95926) in WB

Western blot was performed using Anti-AKR1C3 Polyclonal Antibody (Product # PA5-95926) and a 37 kDa band corresponding to 17-beta-HSD 5; AKR1C3 was observed across the panel tested except for LNCaP and T-47D which are reported to be low expressors of AKR1C3. Whole cell extracts (30 µg lysate) of PC-3 (Lane 1), DU 145 (Lane 2), LNCaP (Lane 3), MCF7 (Lane 4), T-47D (Lane 5), Hep G2 (Lane 6), A549 (Lane 7), Mouse Prostate (Lane 8) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX), 10 well. Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) 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).



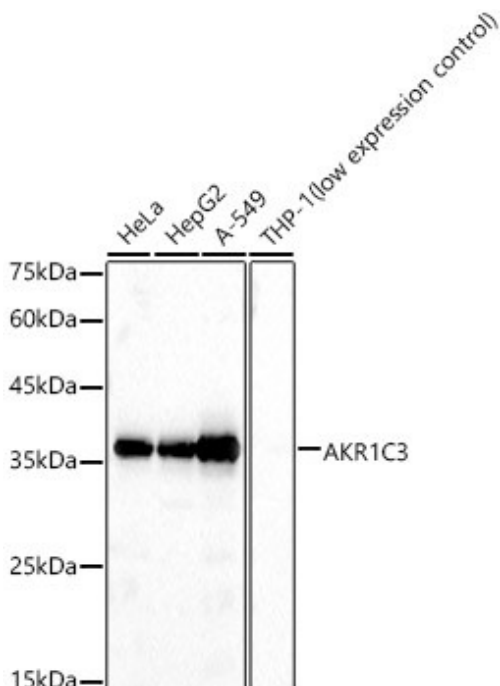
### AKR1C3 Antibody (PA5-95926)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines and tissues tested owing to their inherent genetic constitution. Relative expression of 17-beta-HSD 5; AKR1C3 was observed in all cell lines except LNCaP and T-47D using Anti-AKR1C3 Polyclonal Antibody (Product # PA5-95926) in Western Blot. {RE}



### AKR1C3 Antibody (PA5-95926) in WB

Western blot analysis of AKR1C3 in various lysates. Samples were incubated with AKR1C3 Polyclonal antibody (Product # PA5-95926) 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: 10s.



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