

FOXA2 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Rat
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide sequence (GVYSRPIMNSS) corresponding to the C-terminus amino acids of FOXA2
Form	Liquid
Concentration	0.5 mg/mL
Purification	Ammonium sulfate precipitation
Storage buffer	TBS, pH 7.3, with 0.5% BSA
Contains	0.02% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_10979136

Applications	Tested Dilution	Publications
Western Blot (WB)	1-3 µg/mL	-
Immunohistochemistry (IHC)	4-8 µg/mL	-

Product Specific Information

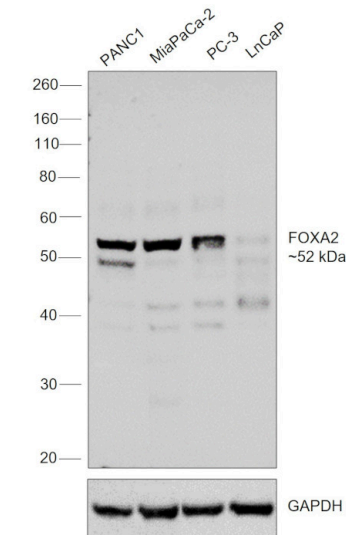
This antibody is predicted to react with mouse and rat based on sequence homology.

This antibody is tested in Peptide ELISA: antibody detection limit dilution 4,000.

Product Images For FOXA2 Polyclonal Antibody

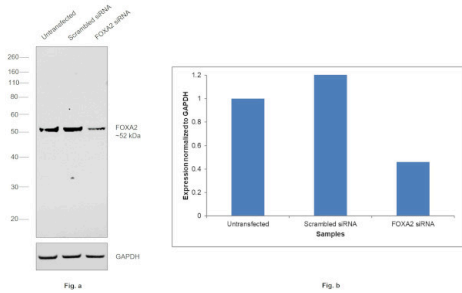
FOXA2 Antibody (PA5-18169) in WB

Western blot was performed using FOXA2 Polyclonal Antibody (Product # PA5-18169) and a 52 kDa band corresponding to FOXA2 was observed across cell lines. Nuclear enriched extracts (30 µg lysate) of PANC-1 (Lane 1), MIA PaCa-2 (Lane 2), PC-3 (Lane 3), LNCaP (Lane 4) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX), 10 well. Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB33001) by iBlot™ 3 Western Blot Transfer Device (Product # IB31001). The blot was probed with the primary antibody (1 µg/mL) and detected by chemiluminescence with Rabbit anti-Goat IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27014, 1:10,000) using the iBright™ FL1500 Imaging System (Product # A44115). Chemiluminescent detection was performed using SuperSignal™ West Pico PLUS Chemiluminescent Substrate (Product # 34580).



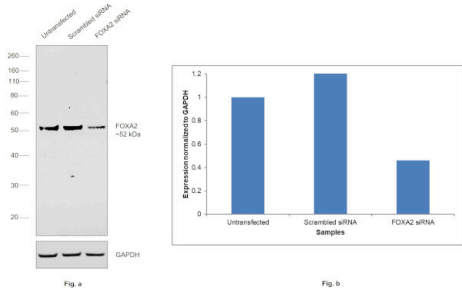
FOXA2 Antibody (PA5-18169)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. PANC-1 cells were transfected with FOXA2 siRNA and decrease in signal intensity was observed in Western Blot application using FOXA2 Polyclonal Antibody (Product # PA5-18169). {KD}



FOXA2 Antibody (PA5-18169) in WB

Knockdown of FOXA2 was achieved by transfecting PANC-1 with FOXA2 specific siRNAs (Silencer® select Product # s6691, s6692). Western blot analysis (Fig. a) was performed using Nuclear enriched extracts from the FOXA2 knockdown cells (lane 3), non-targeting scrambled siRNA transfected cells (lane 2) and untransfected cells (lane 1). The blot was probed with FOXA2 Polyclonal Antibody (Product # PA5-18169, 1 µg/mL) and Rabbit anti-Goat IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27014, 1:10,000). Densitometric analysis of this western blot is shown in histogram (Fig. b). Decrease in signal upon siRNA mediated knock down confirms that antibody is specific to FOXA2.



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