

PAX3 Monoclonal Antibody (GT2411)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	GT2411
Conjugate	Unconjugated
Immunogen	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of Human PAX3.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7, with 20% glycerol
Contains	no preservative
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2787209

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	-

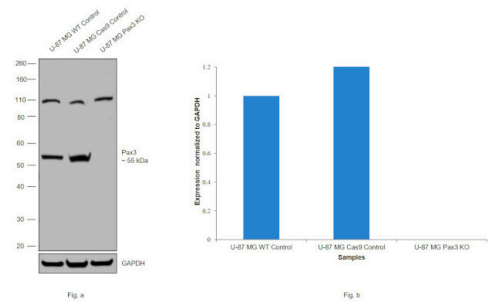
Product Specific Information

Keep as concentrated solution.

Positive Control: U87-MG, U87-MG nuclear extract.

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For PAX3 Monoclonal Antibody (GT2411)

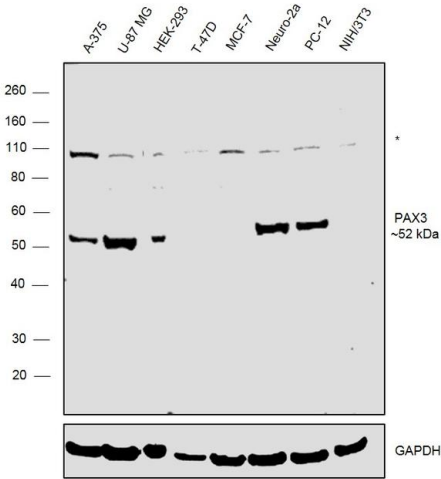


PAX3 Antibody (MA5-31582)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. A loss of signal was observed for target protein in PAX3 KO cell line compared to wild type control cell line using PAX3 Monoclonal Antibody (Product # MA5-31582). {KO}

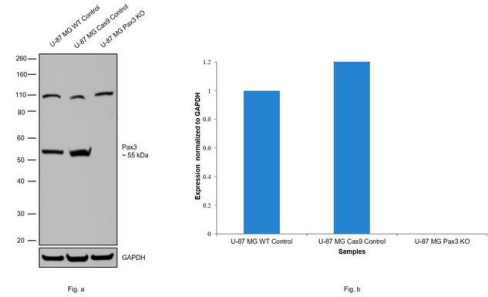
PAX3 Antibody (MA5-31582) in WB

Western blot was performed using Anti-PAX3 Monoclonal Antibody, (Product # MA5-31582) and a ~52 kDa band corresponding to PAX3 was observed across the panel tested except T-47D and MCF-7 which are reported to be negative. An uncharacterized band (*) at ~110kDa was also observed across the panel tested. Modified Whole cell extracts (1% SDS) (30 µg lysate) of A-375 (Lane 1), U-87 MG (Lane 2), HEK-293 (Lane 3), T-47D (Lane 4), MCF-7 (Lane 5), Neuro-2a (Lane 6), PC-12 (Lane 7) and NIH/3T3 (Lane 8) were electrophoresed using Novex® NuPAGE® 4-12% % Bis-Tris gel (Product # NP0322BOX). 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-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005)..



PAX3 Antibody (MA5-31582) in WB

Knockout of PAX3 was achieved by CRISPR-Cas9 genome editing. Western blot analysis of PAX3 was performed by loading 20 µg of U-87 MG wild type (Lane 1), U-87 MG Cas9 control (Lane 2), U-87 MG PAX3 knockout (Lane 3) whole cell extracts. The blot was probed with Anti-PAX3 Monoclonal Antibody (GT2411) (Product # MA5-31582) using 1:1000 dilution and Goat anti-Mouse IgG (H+L), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177) using 1:4000 dilution. Loss of signal upon CRISPR mediated knockout (KO) confirms that antibody is specific to PAX3. Uncharacterised bands were observed at ~110 kDa.



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