

PIK3CA Monoclonal Antibody (H.843.0)

Product Details	
Size	100 µL
Species	Bovine, Human, Mouse, Rat
Expression System	Rabbit / IgG
Class	Monoclonal
Type	Antibody
Clone	H.843.0
Conjugate	Unconjugated
Immunogen	Synthetic peptide surrounding Asp520 of the sequence of human PI3K p110a
Form	Liquid
Purification	Affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	<0.02% sodium azide
Storage Conditions	-20°C
RRID	AB_10984433

Applications	Tested Dilution	Publications
Immunoprecipitation (IP)	1:50	-
Western Blot (WB)	1:1000	-

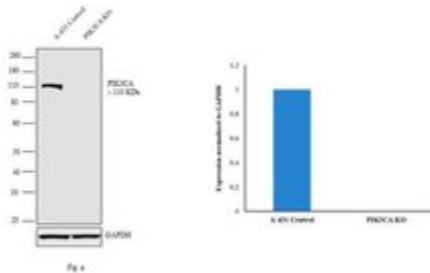
Product Specific Information

It is not recommended to aliquot this antibody.

Advanced Verification Data

PIK3CA Antibody (MA5-14870)

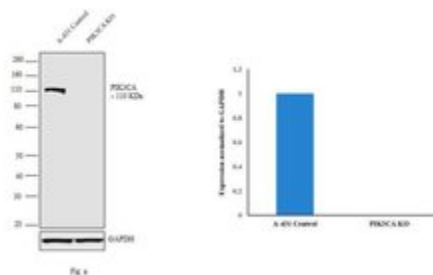
Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. Loss of signal was observed for target protein in PIK3CA knockout (KO) cell line using Anti-PIK3CA rabbit monoclonal antibody (Product # MA5-14870). Knockout validation info.



Product Images For PIK3CA Monoclonal Antibody (H.843.0)

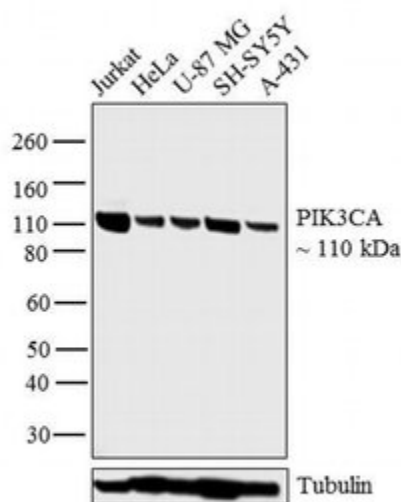
PIK3CA Antibody (MA5-14870) in WB

Western blot analysis of PIK3CA (Fig. a) was performed by loading 30 µg of A-431 control (lane 1), A-431 PIK3CA knockout (lane 2) membrane extracts. PIK3CA was detected at 110 kDa using PIK3CA rabbit monoclonal antibody (Product # MA5-14870, 1:1000 dilution) and Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody HRP conjugate (Product # A27036, 1:4000 dilution). Densitometric analysis of this western blot is shown in histogram (Fig. b). Loss of signal in CRISPR mediated knockout (KO) confirms that antibody is specific to PIK3CA.



PIK3CA Antibody (MA5-14870) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of Jurkat (Lane 1), HeLa (Lane 2), U-87 MG (Lane 3), SH-SY5Y (Lane 4) and A-431 (Lane 5). The blot was probed with Anti-PIK3CA Monoclonal Antibody (Product # MA5-14870, 1:1000 dilution) and detected by chemiluminescence using Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4000 dilution). A 110 kDa band corresponding to PIK3CA was observed across the cell lines tested.



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