

14-3-3 beta/epsilon/zeta Monoclonal Antibody (3C8)

Product Details	
Size	50 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Mouse / IgG2b
Class	Monoclonal
Type	Antibody
Clone	3C8
Conjugate	Unconjugated
Immunogen	Human 14-3-3 beta fusion protein.
Form	Liquid
Concentration	1 mg/mL
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_1954768

Applications	Tested Dilution	Publications
Western Blot (WB)	1-10 µg/mL	-

Product Specific Information

Recommended positive controls: HeLa Cell Lysate, Mouse Brain Tissue Extract, Rat Brain Tissue Extract.

Product Images For 14-3-3 beta/epsilon/zeta Monoclonal Antibody (3C8)

14-3-3 beta/epsilon/zeta Antibody (MA1-34561) in WB

Western blot was performed using Anti-14-3-3 beta/epsilon/zeta Monoclonal Antibody (3C8) (Product # MA1-34561) and a 28 kDa band corresponding to 14-3-3 protein beta/epsilon/zeta was observed across the cell lines and tissues tested. Membrane enriched extracts (30 µg lysate) of MCF7 (Lane 1), HeLa (Lane 2), PC-3 (Lane 3), A549 (Lane 4), Mouse Skeletal Muscle (Lane 5), Rat Skeletal Muscle (Lane 6), Mouse Brain (Lane 7), Rat Brain (Lane 8) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). 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 µg/mL) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:10,000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).

14-3-3 beta/epsilon/zeta Antibody (MA1-34561)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. MCF7 cells were transfected with 14-3-3 protein beta/epsilon/zeta siRNA and decrease in signal intensity was observed in Western Blot application using Anti-14-3-3 beta/epsilon/zeta Monoclonal Antibody (3C8) (Product # MA1-34561). {KD}

14-3-3 beta/epsilon/zeta Antibody (MA1-34561) in WB

Knockdown of 14-3-3 protein beta/epsilon/zeta was achieved by transfecting MCF7 with 14-3-3 protein beta/epsilon/zeta specific siRNAs (Silencer® select Product # s14961, s14962, s14972). Western blot analysis (Fig. a) was performed using Membrane enriched extracts from the 14-3-3 protein beta/epsilon/zeta knockdown cells (lane 3), non-targeting scrambled siRNA transfected cells (lane 2) and untransfected cells (lane 1). The blot was probed with 14-3-3 beta/epsilon/zeta Monoclonal Antibody (3C8) (Product # MA1-34561, 1 µg/mL ) and Goat Mouse IgG (H+L), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:10,000 dilution). 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 14-3-3 protein beta/epsilon/zeta.

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