

beta Actin Monoclonal Antibody (BA3R), HRP

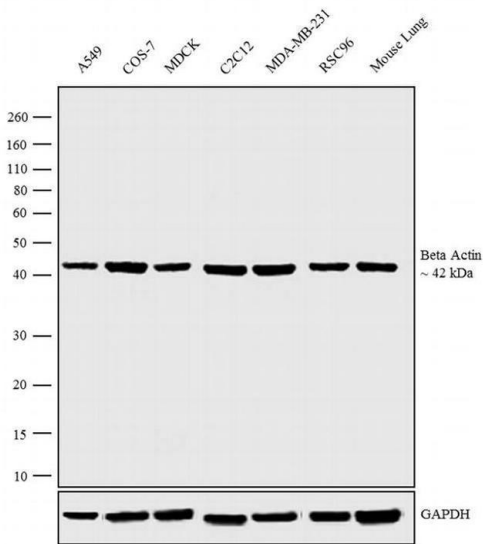
Product Details	
Size	50 µL
Species Reactivity	Dog, Chicken, Human, Mouse, Non-human primate, Rabbit, Rat
Published Species	Rat, Fruit fly, Hamster, Mouse, Human
Host/Isotype	Mouse / IgG2b
Class	Monoclonal
Type	Antibody
Clone	BA3R
Conjugate	HRP
Immunogen	Beta-actin N-terminal peptide.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Contains	0.07% Kathon
Storage conditions	4° C
RRID	AB_2537667

Applications	Tested Dilution	Publications
Western Blot (WB)	1 µg/mL	39 Publications
Immunocytochemistry (ICC/IF)	-	1 Publication

Product Specific Information

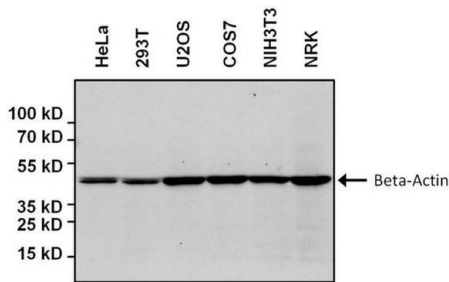
MA5-15739-HRP has been successfully used in Western blotting applications with human, mouse, rat, rabbit, and chicken samples.

Product Images For beta Actin Monoclonal Antibody (BA3R), HRP



beta Actin Antibody (MA5-15739-HRP) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of A549 (Lane 1), COS-7 (Lane 2), MDCK (Lane 3), C2C12 (Lane 4), MDA-MB-231 (Lane 5), RSC96 (Lane 6) and tissue extracts of Mouse Lung (Lane 7). The blot was probed with beta Actin Monoclonal Antibody (BA3R), HRP (Product # MA5-15739-HRP, 1 µg/mL) and detected by chemiluminescence. A 42 kDa band corresponding to beta Actin was observed across the cell lines and tissues tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 10% Bis-Tris gel (Product # NP0322BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



beta Actin Antibody (MA5-15739-HRP) in WB

Western blot analysis of Beta-Actin was performed by loading 30 µg of various cell lysates per well onto a 4-20% Tris-HCl polyacrylamide gel. Proteins were transferred to a PVDF membrane and blocked with 5% BSA/TBST for at least 1 hour. The membrane was probed with an HRP-conjugated Beta-Actin monoclonal antibody (Product # MA5-15739-HRP) at a dilution of 1:1000 for 1 hour at room temperature on a rocking platform and washed in TBS-0.1% Tween-20. Chemiluminescent detection was performed using SuperSignal West Pico (Product # 34080).

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Western Blot (39)

<p>NPJ breast cancer</p> <p>Human snoRNA-93 is processed into a microRNA-like RNA that promotes breast cancer cell invasion.</p> <p>"MA5-15739-HRP was used in Western Blotting to indicate that sdRNA-93 expression actively contributes to the malignant phenotype of breast cancer through participating in microRNA-like regulation."</p> <p>Authors: Patterson DG,Roberts JT,King VM,Houserova D,Barnhill EC,Crucello A,Polska CJ,Brantley LW,Kaufman GC,Nguyen M,Santana MW,Schiller IA,Spicciani JS,Zapata AK,Miller MM,Sherman TD,Ma R,Zhao H,Arora R,Coley AB,Zeidan MM,Tan M,Xi Y,Borchert GM</p>	<p>Year 2023</p> <p>Species Human</p> <p>Dilution 1:5000</p>
<p>Journal of applied toxicology : JAT</p> <p>Interaction between environmental pollutants and cancer drug efficacy: Bisphenol A, Bisphenol A diglycidyl ether and Perfluorooctanoic acid reduce vincristine cytotoxicity in acute lymphoblastic leukemia cells.</p> <p>"Published figure using beta Actin monoclonal antibody (Product # MA5-15739-HRP) in Western Blot"</p> <p>Authors: Lagunas-Rangel FA,Liu W,Schiöth HB</p>	<p>Year 2023</p>

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Immunocytochemistry (1)

<p>Scientific reports</p> <p>Genetically unmatched human iPSC and ESC exhibit equivalent gene expression and neuronal differentiation potential.</p> <p>"MA5-15739-HRP was used in Immunocytochemistry to indicate close molecular similarities between genetically unmatched hESCs and hiPS in term of gene expression, and signalling pathways."</p> <p>Authors: Marei HE,Althani A,Lashen S,Cenciarelli C,Hasan A</p>	<p>Year 2017</p> <p>Species Human</p>
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