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BAF57/SMARCE1 Recombinant Monoclonal Antibody [BLR316M]

Rabbit Recombinant Monoclonal

Purified		RefSeq ID	NP_003070.3
Catalog No.	A700-316	Uniprot ID	Q969G3
Lot No.	1	GeneID	6605

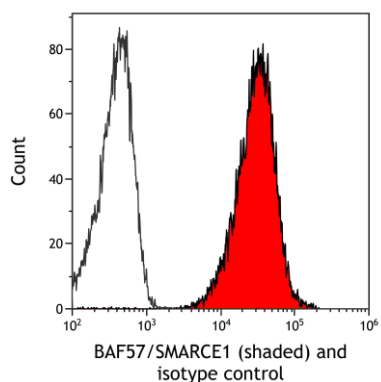
APPLICATIONS	WB, IP, IHC, ICC, Flow Cyt										
SPECIES REACTIVITY	Human, Mouse										
AMOUNT	100 µl (50+ tests)										
CONCENTRATION	100 µg/ml										
STORAGE/SHELF LIFE	2 – 8°C / 1 year from date of receipt										
PHYSICAL STATE	Liquid										
BUFFER	Phosphate Buffered Saline (PBS) with 0.1% BSA and 0.09% Sodium Azide										
ISOTYPE	IgG										
CLONE #	BLR316M										
ORIGIN	USA										
PRODUCTION PROCEDURES	<p>Recombinant antibody was purified from cell culture supernatant.</p> <p>Immunogen was a peptide representing a region between residue 361 and the C-terminus (residue 411) of human BAF57/SMARCE1 using the numbering given in entry NP_003070.3 (Gene ID 6605).</p>										
APPLICATIONS	<p>Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.</p> <table><tr><td>Western Blot</td><td>1:1,000</td></tr><tr><td>Immunoprecipitation</td><td>20 µl/mg lysate</td></tr><tr><td>Immunohistochemistry</td><td>1:100 to 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.</td></tr><tr><td>Immunocytochemistry</td><td>1:100 to 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE cell sections.</td></tr><tr><td>Flow Cytometry</td><td>Fixed in 4% formaldehyde and permeabilized with 90% methanol. 1 µl per 1 x 10⁶ cells.</td></tr></table>	Western Blot	1:1,000	Immunoprecipitation	20 µl/mg lysate	Immunohistochemistry	1:100 to 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.	Immunocytochemistry	1:100 to 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE cell sections.	Flow Cytometry	Fixed in 4% formaldehyde and permeabilized with 90% methanol. 1 µl per 1 x 10 ⁶ cells.
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APPLICATION NOTES	<p>All western blot analysis is performed using 5% Milk-TBST for blocking and as antibody diluent. Primary antibody is incubated overnight.</p> <p>Western blots of cell lysates are performed using Goat anti-Rabbit IgG Heavy and Light Chain Antibody (Cat. No. A120-101P).</p> <p>Western blots of immunoprecipitates are performed using Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) with 5% Normal Pig Serum (Cat. No. S100-020) added to the blocking buffer.</p>										
IHC HUMAN CONTROLS	Appendix, Breast Carcinoma, Colon Carcinoma, Hodgkin Lymphoma, Lymph Node, Prostate Carcinoma, Tonsil, Cal-27 Cells, LNCap Cells, NCI-H1155 Cells										
IHC MOUSE CONTROLS	Liver, Spleen, Testis, A20 Cells, AML12 Cells										
ADDITIONAL INFO	<p>https://www.fortislifesciences.com/p/A700-316</p> <p>Use the link above to view SDS, a current list of citations, and other product specific information.</p>										

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Michael Spencer, PhD

Date: February 27, 2024

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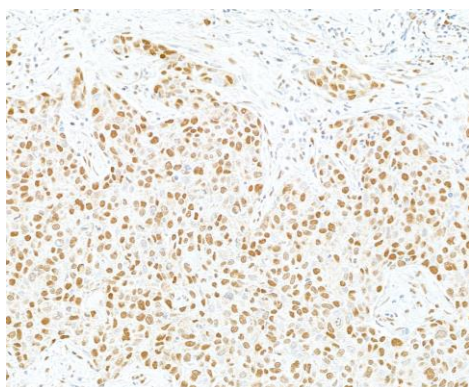
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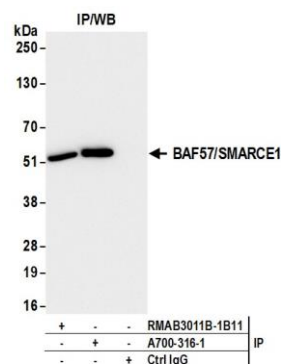
Detection of human BAF57/SMARCE1 (shaded) in Jurkat cells by flow cytometry. *Antibody:* Rabbit anti-BAF57/SMARCE1 recombinant monoclonal antibody [BLR316M] (A700-316) or isotype control (unshaded). *Secondary:* DyLight® 650-conjugated goat anti-rabbit IgG (A120-101D5).



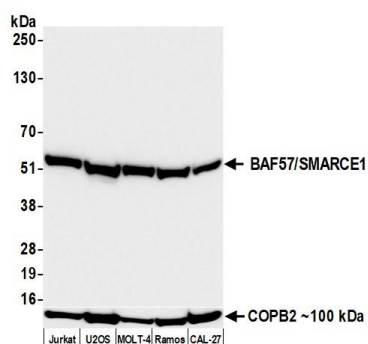
Detection of human BAF57/SMARCE1 by immunocytochemistry. *Sample:* FFPE section of LNCap cells. *Antibody:* Rabbit anti-BAF57/SMARCE1 recombinant monoclonal antibody [BLR316M] (A700-316). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P).



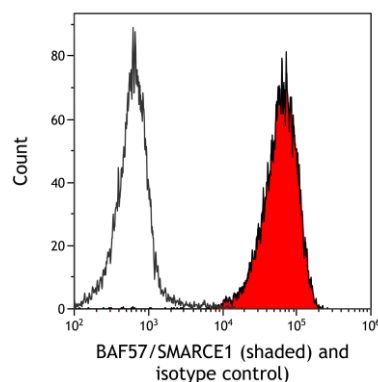
Detection of human BAF57/SMARCE1 by immunohistochemistry. *Sample:* FFPE section of breast carcinoma. *Antibody:* Rabbit anti-BAF57/SMARCE1 recombinant monoclonal antibody [BLR316M] (A700-316). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P).



Detection of human BAF57/SMARCE1 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from Jurkat cells prepared using NETN lysis buffer. *Antibodies:* Rabbit anti-BAF57/SMARCE1 recombinant monoclonal antibody [BLR316M] (A700-316 lot 1) used for IP at 20 µl per reaction. BAF57/SMARCE1 was also immunoprecipitated by a second antibody against a different epitope of BAF57/SMARCE1 (RMAB3011B-1B11). For blotting immunoprecipitated BAF57/SMARCE1, A700-316 was used at 1:1000. *Detection:* Chemiluminescence with an exposure time of 3 seconds.



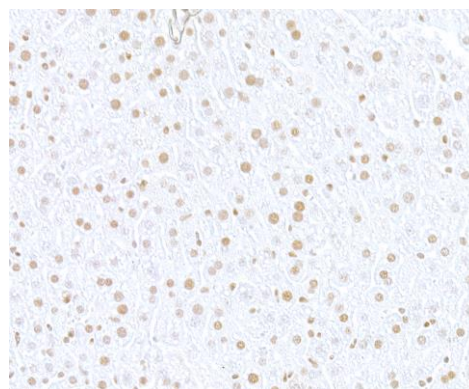
Detection of human BAF57/SMARCE1 by western blot.
Samples: Whole cell lysate (50 µg) from Jurkat, U2OS, MOLT-4, Ramos, and CAL-27 cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti-BAF57/SMARCE1 recombinant monoclonal antibody [BLR316M] (A700-316 lot 1) used at 1:1000. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-101P). *Detection:* Chemiluminescence with an exposure time of 3 seconds. Lower Panel: Rabbit anti-COPB2 antibody (A304-523A).



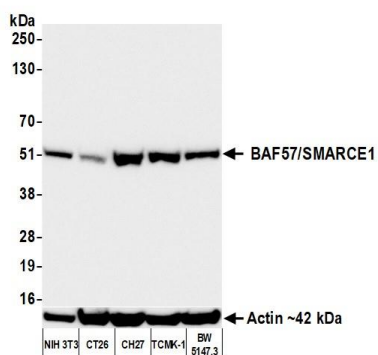
Detection of mouse BAF57/SMARCE1 (shaded) in EL4 cells by flow cytometry. *Antibody:* Rabbit anti-BAF57/SMARCE1 recombinant monoclonal antibody [BLR316M] (A700-316) or isotype control (unshaded). *Secondary:* DyLight® 650-conjugated goat anti-rabbit IgG (A120-101D5).



Detection of mouse BAF57/SMARCE1 by immunohistochemistry. *Sample:* FFPE section of AML12 cells. *Antibody:* Rabbit anti-BAF57/SMARCE1 recombinant monoclonal antibody [BLR316M] (A700-316). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P).



Detection of mouse BAF57/SMARCE1 by immunohistochemistry. *Sample:* FFPE section of mouse liver. *Antibody:* Rabbit anti-BAF57/SMARCE1 recombinant monoclonal antibody [BLR316M] (A700-316). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P).



Detection of mouse BAF57/SMARCE1 by western blot.

Samples: Whole cell lysate (50 µg) from NIH 3T3, CT26, CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti-BAF57/SMARCE1 recombinant monoclonal antibody [BLR316M] (A700-316 lot 1) used at 1:1000. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-101P). *Detection:* Chemiluminescence with an exposure time of 3 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody [BLR057F] (A700-057).