

Datasheet for 600-401-497**SmarcAL1 Antibody****Overview**

Description:	Anti-SMARCAL1 (RABBIT) Antibody - 600-401-497
Item No.:	600-401-497
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	SmarcAL1 (SWI/SNF-related matrix-associated actin-dependent regulator of chromatin a-like 1) is also known as HARP, HepA Related Protein, HHARP, SMARCA like Protein 1 and SWI/SNF Related. SmarcAL1 is a member of the SWI/SNF family of proteins. Members of this family have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein shows sequence similarity to the E. coli RNA polymerase-binding protein HepA. Mutations in this gene are a cause of Schimke immunosseous dysplasia (SIOD), an autosomal recessive disorder with the diagnostic features of spondyloepiphyseal dysplasia, renal dysfunction, and T-cell immunodeficiency.
Synonyms:	rabbit anti-SMARCAL1 antibody, SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A-like protein 1, HepA Related Protein antibody, hHARP antibody, SMARCA like Protein 1 antibody, Sucrose nonfermenting protein 2 like 1 antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SMARCAL1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal near aa 75-100 of human SmarAL1 protein.
Purity/Specificity:	This affinity purified antibody is directed against human SmarAL1 protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest reactivity with this protein from human based on 100% homology for the immunogen sequence. Cross reactivity with SmarAL1 from other sources is not expected due to significant sequence divergence within the immunogen sequence.
Relevant Links:	• NCBI - 56117838 • UniProtKB - Q9NZC9 • NCBI - Q9NZC9.1 • GenelD - 50485

Application Details

Tested Applications:	ELISA, WB
Application Note:	This affinity purified antibody has been tested for use in ELISA and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 106 kDa in size corresponding to SmarAL1 by western blotting in the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:16,000 - 1:64,000
WB:	1:500 - 1:3,000

Formulation

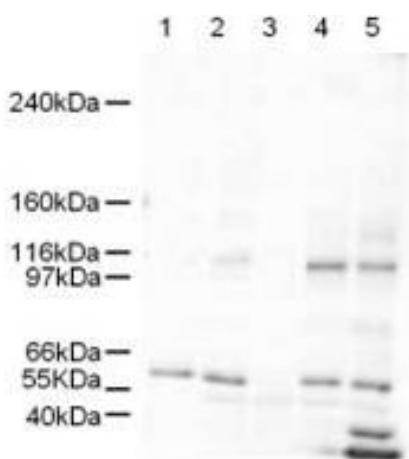
Physical State:	Liquid (sterile filtered)
Concentration:	2.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western blot using Rockland's Affinity Purified anti-SmarcAL1 antibody shows detection of a band ~106 kDa band corresponding to SmarcAL1 in human derived cultured cell lysates. Lane 1: HeLa nuclear extract (p/n W09-001-367), Lane 2: HeLa WC (p/n W09-000-364), Lane 3: A431 WC (p/n W09-000-361), Lane 4: Jurkat WC (p/n W09-001-370), and 293 WC (p/n W09-000-365). Approximately 5µg of each lysates was run on a SDS-PAGE and transferred onto nitrocellulose followed by reaction with a 1:500 dilution of anti-SmarcAL1 antibody. Signal was detected using standard techniques. SmarcAL1 is the band seen between the 97 and 116kD markers.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.