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Datasheet for ABIN129604 anti-SMARCAL1 antibody (AA 80-96)

Image



Overview

Quantity:	100 µg
Target:	SMARCAL1
Binding Specificity:	AA 80-96
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMARCAL1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding aa 80-96 of human SmarcAL1 protein.
Isotype:	lgG
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

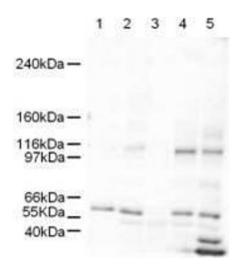
Target Details

Target:	SMARCAL1
Alternative Name:	SmarcAL1 (SMARCAL1 Products)
Background:	SmarcAL1 (SWI/SNF-related µatrix-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

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Target D	Details
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	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 immunoosseous dysplasia (SIOD), an autosomal recessive disorder with the
	diagnostic features of spondyloepiphyseal dysplasia, renal dysfunction, and T-cell
	immunodeficiency.
	Synonyms: HepA Related Protein antibody, HHARP antibody, SMARCA like Protein 1 antibody,
	Sucrose nonfermenting protein 2 like 1 antibody, SWI/SNF Related antibody
Gene ID:	50485, 56117838
UniProt:	Q9NZC9
Pathways:	Embryonic Body Morphogenesis
Application Details	
Application Notes:	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 SmarcAL1 by western blotting in the appropriate cell lysate or
	extract.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	2.0 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	-20 °C



Western Blotting

Image 1. Western blot using Affinity Purified anti-SmarcAL1 antibody shows detection of a band ~106 kDa band (arrowhead) corresponding to SmarcAL1 in human derived cultured cell lysates (HeLa nuclear extract lane 1, HeLa lane 2, A431 lane 3, Jurkat lane 4, and 293 lane 5). 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.

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