

Datasheet for ABIN2775719
anti-SMARCAL1 antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	SMARCAL1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Horse, Dog, Rabbit, Guinea Pig, Pig, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMARCAL1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human SMARCAL1
Sequence:	MSLPLTEEQR KKIEENRQKA LARRAEKLLA EQHRTSSGT SIAGNPFQAK
Predicted Reactivity:	Cow: 79%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Yeast: 83%
Characteristics:	This is a rabbit polyclonal antibody against SMARCAL1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	SMARCAL1
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Target Details

Alternative Name: [SMARCAL1 \(SMARCAL1 Products\)](#)

Background: 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. Mutations in SMARCAL1 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. The protein encoded by this gene 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 immunoosseous dysplasia (SIOD), an autosomal recessive disorder with the diagnostic features of spondyloepiphyseal dysplasia, renal dysfunction, and T-cell immunodeficiency.

Alias Symbols: HARP, HHARP

Protein Interaction Partner: UBC, RPA3, RPA2, RPA1, SULT1A1, Cebpb,

Protein Size: 954

Molecular Weight: 106 kDa

Gene ID: 50485

NCBI Accession: [NM_014140, NP_054859](#)

UniProt: [Q9NZC9](#)

Pathways: [Embryonic Body Morphogenesis](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 954 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

Handling

sucrose.

Preservative: Sodium azide

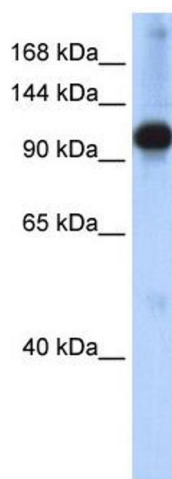
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-SMARCAL1 Antibody Titration:
0.2-1 µg/ml ELISA Titer: 1:62500 Positive Control:
Transfected 293T