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Product datasheet for TA335634

SMARCAL1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-SMARCAL1 Antibody: synthetic peptide directed towards the middle region of human SMARCAL1. Synthetic peptide located within the following region: DLLESGREKFLVFAHHKVVLDAITQELERKHVQHIRIDGSTSSAEREDLC
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	106 kDa
Gene Name:	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a like 1
Database Link:	NP_054859 Entrez Gene 50485 Human Q9NZC9

View online »

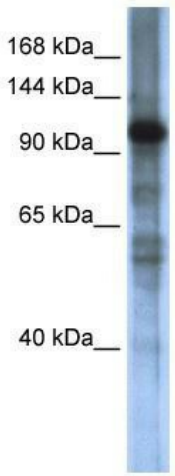
Background: SMARCAL1 is a member of the SWI/SNF family of proteins. Members of this family have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. Mutations in SMARCAL1 gene are a cause of Schimke immunoosseous 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.

Synonyms: HARP; HHARP

Note: Immunogen Sequence Homology: Human: 100%; Rabbit: 100%; Pig: 92%; Rat: 92%; Horse: 92%; Mouse: 92%; Bovine: 92%; Guinea pig: 92%; Dog: 85%

Protein Families: Druggable Genome

Product images:



WB Suggested Anti-SMARCAL1 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:312500; Positive Control: Transfected 293T