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Datasheet for ABIN6972741 **anti-SMARCAL1 antibody**

Overview

Quantity:	100 µg
Target:	SMARCAL1
Reactivity:	Human, Mouse, Cow
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	This SMARCAL1 / HARP antibody was raised against purified bovine SMARCAL1 / HARP protein.
Clone:	4B10
Isotype:	IgG1
Characteristics:	<p>SMARCAL1 / HARP (SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A-like protein 1, HepA-related protein, DNA-dependent ATPase A) is a member of the SWI / SNF family of ATPases and chromatin remodeling proteins. Unlike other SWI / SNF family members, SMARCAL1 / HARP has not been shown to remodel chromatin, but possesses an ATP-dependent annealing helicase activity. SMARCAL1 reanneals single-stranded DNA bubbles in DNA at DNA replication forks that are bound by Replication Protein A (RPA). Defects in SMARCAL1 / HARP are a cause of Schimke immuno-osseous dysplasia (SIOD) SIOD causes spondyloepiphyseal dysplasia (a disorder of bone growth that results in short stature, skeletal abnormalities, and problems with vision and hearing), renal dysfunction and T-cell immunodeficiency. SMARCAL1 / HARP antibody (mAb) (Clone 4B10) was raised in a</p>

Product Details

Mouse host. It has been validated for use in Immunoprecipitation and Western blot, it has been shown to react with Bovine, Human and Mouse samples.

Purification: Protein G Chromatography

Target Details

Target: SMARCAL1

Alternative Name: SMARCAL1 / HARP ([SMARCAL1 Products](#))

Molecular Weight: 150 kDa

NCBI Accession: [NP_788839](#)

Pathways: [Embryonic Body Morphogenesis](#)

Application Details

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

Restrictions: For Research Use only

Handling

Buffer: Purified IgG in 70 mM Tris (pH 8), 105 mM NaCl, 31 mM glycine, 0.07 mM EDTA, 30 % glycerol and 0.035 % sodium azide.

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

Storage Comment: Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage.