

SMARCAL1 Antibody - N-terminal region

Rabbit Polyclonal Antibody Catalog # Al16065

Specification

SMARCAL1 Antibody - N-terminal region - Product Information

Application WB **Primary Accession** O9NZC9 Other Accession XP 005246689 Reactivity Human Predicted Human Host **Rabbit** Clonality **Polyclonal** Calculated MW 104kDa KDa

SMARCAL1 Antibody - N-terminal region - Additional Information

Gene ID 50485

Alias Symbol

SMARCAL1, HARP,

Other Names

SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A-like protein 1, 3.6.4.-, HepA-related protein, hHARP, Sucrose nonfermenting protein 2-like 1, SMARCAL1, HARP

Format

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

Reconstitution & Storage

Add 50 &mu, I of distilled water. Final Anti-SMARCAL1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions

SMARCAL1 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

SMARCAL1 Antibody - N-terminal region - Protein Information

Name SMARCAL1

Synonyms HARP

Function

ATP-dependent annealing helicase that binds selectively to fork DNA relative to ssDNA or dsDNA and catalyzes the rewinding of the stably unwound DNA. Rewinds single-stranded DNA bubbles that are stably bound by replication protein A (RPA). Acts throughout the genome to reanneal stably unwound DNA, performing the opposite reaction of many enzymes, such as helicases and polymerases, that unwind DNA. May play an important role in DNA damage response by acting at



stalled replication forks.

Cellular Location

Nucleus. Note=Recruited to damaged DNA regions

Tissue Location

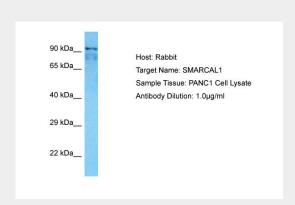
Ubiquitously expressed, with high levels in testis.

SMARCAL1 Antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

SMARCAL1 Antibody - N-terminal region - Images



Host: Rabbit

Target Name: SMARCAL1

Sample Tissue: PANC1 Whole cell lysate

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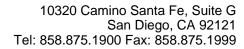
Antibody Dilution: 1.0µg/ml

SMARCAL1 Antibody - N-terminal region - Background

ATP-dependent annealing helicase that binds selectively to fork DNA relative to ssDNA or dsDNA and catalyzes the rewinding of the stably unwound DNA. Rewinds single-stranded DNA bubbles that are stably bound by replication protein A (RPA). Acts throughout the genome to reanneal stably unwound DNA, performing the opposite reaction of many enzymes, such as helicases and polymerases, that unwind DNA. May play an important role in DNA damage response by acting at stalled replication forks.

SMARCAL1 Antibody - N-terminal region - References

Coleman M.A., et al. Genomics 65:274-282(2000). Boerkoel C.F., et al. Nat. Genet. 30:215-220(2002).





Hillier L.W.,et al.Nature 434:724-731(2005). Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases. Bechtel S.,et al.BMC Genomics 8:399-399(2007).