

SMARCAL1 Antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI16065

Product Information

Application	WB
Primary Accession	Q9NZC9
Other Accession	XP_005246689
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	105938

Additional Information

Gene ID	50485
Alias Symbol Other Names	SMARCAL1, HARP, 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 μ l 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.

Protein Information

Name	SMARCAL1 (HGNC:11102)
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.

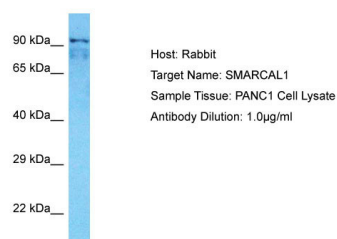
Background

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.

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).

Images



Host: Rabbit
Target Name: SMARCAL1
Sample Tissue: PANC1 Whole cell lysate
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Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.