

HARP Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP6864c**Specification**

HARP Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9NZC9](#)**HARP Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 50485

Other Names

SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A-like protein 1, 364-, HepA-related protein, hHARP, Sucrose nonfermenting protein 2-like 1, SMARCAL1, HARP

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6864c](/products/AP6864c) was selected from the Center region of human HARP. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

HARP Antibody (Center) Blocking Peptide - Protein InformationName 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.

HARP Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

HARP Antibody (Center) Blocking Peptide - Images

HARP Antibody (Center) Blocking Peptide - Background

HARP 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. This protein shows sequence similarity to the E. coli RNA polymerase-binding protein HepA.

HARP Antibody (Center) Blocking Peptide - References

Aharinejad,S., et.al., Circulation 120 (11 SUPPL), S198-S205 (2009)