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ACRC Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP16679b

Specification

ACRC Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q96QF7

ACRC Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 93953

Other Names
Acidic repeat-containing protein, ACRC

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.

ACRC Antibody (C-term) Blocking Peptide - Protein Information

Name GCNA (HGNC:15805)

Function
May play a role in DNA-protein cross-links (DPCs) clearance through a SUMO-dependent recruitment to sites of DPCs, ensuring the genomic stability by protecting germ cells and early embryos from various sources of damage (PubMed:30914427). Can resolve the topoisomerase II (TOP2A) DPCs (By similarity).

Cellular Location
Nucleus. Nucleus, PML body. Chromosome {ECO:0000250|UniProtKB:A0A1D9BZF0}. Note=Co-localizes with SUMO2 at PML bodies in all interphase cells (PubMed:30914427). Localizes on condensed chromosomes in spermatocytes in G2 and M during meiotic prophase (By similarity). {ECO:0000250|UniProtKB:A0A1D9BZF0, ECO:0000269|PubMed:30914427}

Tissue Location
Expressed in germ cells of the testis (at protein level) (PubMed:27718356). Detected in skeletal muscle, liver, kidney, pancreas, heart, lung and brain (PubMed:11714101). Expressed throughout spermatogenesis, from spermatogonia to elongated spermatids, in normal adult testis (at protein level) (PubMed:33963445)

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ACRC Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

ACRC Antibody (C-term) Blocking Peptide - Images

ACRC Antibody (C-term) Blocking Peptide - Background

ACRC belongs to the serine-aspartate repeat-containing protein (SDr) family. It is detected in skeletal muscle, liver, kidney, pancreas, heart, lung and brain.

ACRC Antibody (C-term) Blocking Peptide - References

Kimura, K., et al. Genome Res. 16(1):55-65(2006)Strausberg, R.L., et al. Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903(2002)Nolte, D., et al. Neurogenetics 3(4):207-213(2001)