

HJURP Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13406b**Specification**

HJURP Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q8NCD3](#)**HJURP Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 55355**Other Names**

Holliday junction recognition protein, 14-3-3-associated AKT substrate, Fetal liver-expressing gene 1 protein, Up-regulated in lung cancer 9, HJURP

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13406b was selected from the C-term region of HJURP. 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.

HJURP Antibody (C-term) Blocking peptide - Protein Information**Name** HJURP**Synonyms** FAKTS, FLEG1 {ECO:0000312|EMBL:BAD36741.**Function**

Centromeric protein that plays a central role in the incorporation and maintenance of histone H3-like variant CENPA at centromeres. Acts as a specific chaperone for CENPA and is required for the incorporation of newly synthesized CENPA molecules into nucleosomes at replicated centromeres. Prevents CENPA-H4 tetramerization and prevents premature DNA binding by the CENPA-H4 tetramer. Directly binds Holliday junctions.

Cellular Location

Nucleus, nucleolus. Chromosome, centromere. Note=Localizes in centromeres during late telophase and early G1, when CENPA nucleosomes are assembled. Localizes to nucleolus during S phase, nucleolus site being often related to storage

Tissue Location

According to PubMed:17256767, highly expressed in the thymus with lower levels in the placenta, small intestine, liver, skeletal muscle, and colon. According to PubMed:17823411, highly expressed in testis, and at a relatively lower level in thymus and bone marrow. Significantly overexpressed in many lung cancer samples, compared with normal lung.

HJURP Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

HJURP Antibody (C-term) Blocking peptide - Images**HJURP Antibody (C-term) Blocking peptide - Background**

HJURP is a centromeric protein that plays a central role in the incorporation and maintenance of histone H3-like variant CENPA at centromeres. Acts as a specific chaperone for CENPA and is required for the incorporation of newly synthesized CENPA molecules into nucleosomes at replicated centromeres. Directly binds Holliday junctions.

HJURP Antibody (C-term) Blocking peptide - References

Sebastiani, P., et al. Science (2010) In press :Shuaib, M., et al. Proc. Natl. Acad. Sci. U.S.A. 107(4):1349-1354(2010)Hu, Z., et al. Breast Cancer Res. 12 (2), R18 (2010) :Dunleavy, E.M., et al. Cell 137(3):485-497(2009)Foltz, D.R., et al. Cell 137(3):472-484(2009)