

HJURP Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13406b

Specification

HJURP Antibody (C-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	O8NCD3
Other Accession	NP_060880.3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	83539
Antigen Region	559-588

HJURP Antibody (C-term) - 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

This HJURP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 559-588 amino acids from the C-terminal region of human HJURP.

Dilution

WB~~1:1000
IHC-P~~1:10~50
FC~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

HJURP Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HJURP Antibody (C-term) - 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

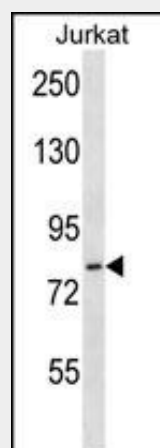
According to PubMed:17256767, highly expressed in the thymus with lower levels in the placenta, small intestine, liver, skeletal muscle, and colon. According to PubMed:17823411, highly expressed in testis, and at a relatively lower level in thymus and bone marrow. Significantly overexpressed in many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

HJURP Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

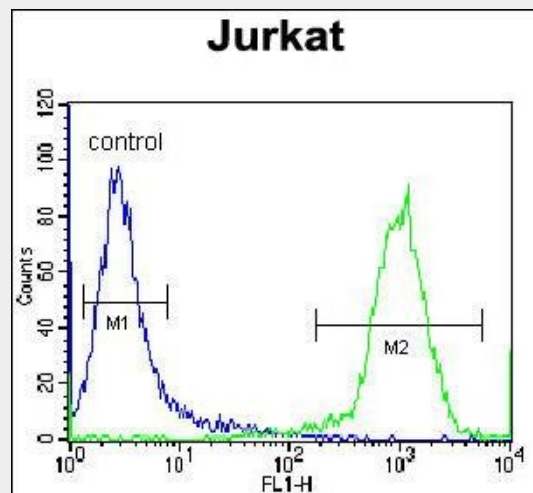
HJURP Antibody (C-term) - Images



HJURP Antibody (C-term) (Cat. #AP13406b) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the HJURP antibody detected the HJURP protein (arrow).



HJURP Antibody (C-term) (Cat. #AP13406b) immunohistochemistry analysis in formalin fixed and paraffin embedded human thyroid tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of HJURP Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



HJURP Antibody (C-term) (Cat. #AP13406b) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

HJURP Antibody (C-term) - 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) - 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)