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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	Q8NCD3
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

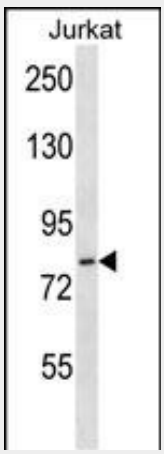
Tissue Location
According to PubMed:17256767, highly expressed in the thymus with lower levels in the placenta, small intestine, liver, skeletal muscle, and colon. According to PubMed:17823411, highly expressed in testis, and at a relatively lower level in thymus and bone marrow. Significantly overexpressed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

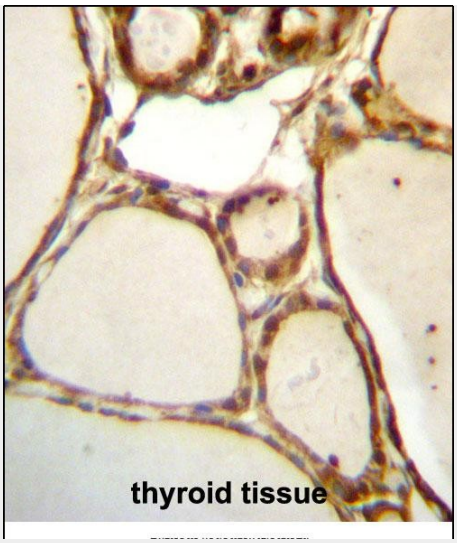
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HJURP Antibody (C-term) - Images

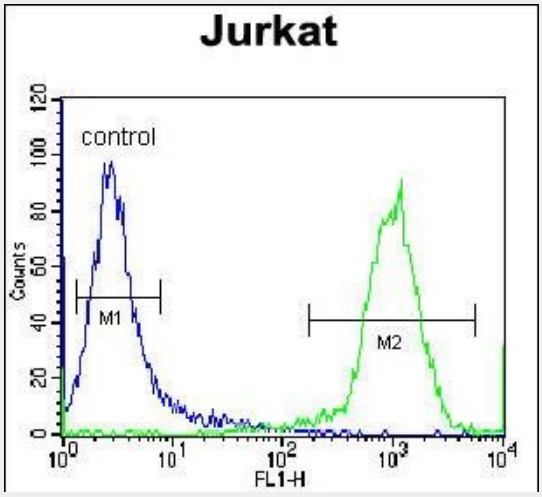


HJURP Antibody (C-term) (Cat. #AP13406b) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the HJURP antibody detected the HJURP protein (arrow).

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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)