

HJURP Rabbit pAb

Catalog # AP98873

Product Information

Application	IHC-P, IHC-F, IF, E
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	84 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse HJURP
Epitope Specificity	231-330/667
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	HJURP is a 748 amino acid protein that is expressed in thymus, placenta, small intestine, liver, skeletal muscle, bone marrow and colon. When histone H3-like variant CENP-A nucleosomes are assembled, HJURP localizes in centromeres during late telophase and early G1 phase, and localizes to the nucleolus during S phase. Considered a centromeric protein, HJURP plays a central role in the incorporation and maintenance of CENP-A at centromeres. HJURP also acts as a specific chaperone for CENP-A and is required for the incorporation of newly synthesized CENP-A molecules into nucleosomes at replicated centromeres. HJURP is considered an indispensable factor for chromosomal stability in immortalized cancer cells and is a potential novel therapeutic target for the development of anticancer drugs.

Additional Information

Other Names	FAKTS; URLC9; hFLEG1; HJURP_HUMAN; HJURP; 14-3-3-associated AKT substrate; Fetal liver-expressing gene 1 protein; Up-regulated in lung cancer 9; FLEG1; Holliday junction recognition protein
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Name	HJURP Rabbit pAb
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.
Directly binds Holliday junctions.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.