

Rabbit anti-Mouse, Rat Hjurp Polyclonal Antibody | anti-HJURP antibody

Anti-Hjurp Antibody Picoband

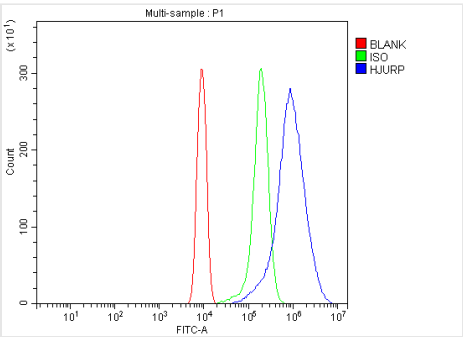
CATALOG # AAA126336	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS ELISA, Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

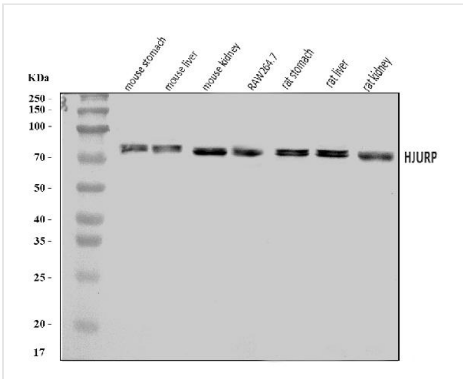
Hjurp; Polyclonal Antibody; Anti-Hjurp Antibody Picoband; anti-HJURP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-HJURP antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived mouse Hjurp recombinant protein (Position: Q13-T574).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of ANA-1 cells using anti-Hjurp antibody (AAA126336).Overlay histogram showing ANA-1 cells stained with AAA126336 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Hjurp Antibody (AAA126336, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. Dylight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of Hjurp using anti-Hjurp antibody (AAA126336).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: mouse stomach tissue lysates,Lane 2: mouse liver tissue lysates,Lane 3: mouse kidney tissue lysates,Lane 4: mouse RAW264.7 whole cell lysates,Lane 5: rat stomach tissue lysates,Lane 6: rat liver tissue lysates,Lane 7: rat kidney tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Hjurp antigen affinity purified polyclonal antibody (#AAA126336) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Hjurp at approximately 84 kDa. The expected band size for Hjurp is at 84 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-HJURP antibody	Holliday junction recognition protein is a protein in humans that is encoded by the HJURP gene. HJURP (holliday junction recognition protein) is a protein coding gene. Diseases associated with HJURP include fibrillary astrocytoma. Among its related pathways are DNA damage and chromosome maintenance. 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.
Product Categories/Family for anti-HJURP antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	27369700
NCBI GeneID	212427
NCBI Accession #	NP_766093.1
NCBI GenBank Nucleotide #	NM_172505.4
UniProt Accession #	Q6PG16; Q6BCZ4; Q8C9A7
Molecular Weight	74,199 Da
NCBI Official Full Name	Holliday junction recognition protein
NCBI Official Synonym Full Names	RIKEN cDNA A730008H23 gene
NCBI Official Symbol	A730008H23Rik
NCBI Official Synonym Symbols	mFleg1

NCBI Protein Information	Holliday junction recognition protein; fetal liver expressing gene 1 protein homolog
UniProt Protein Name	Holliday junction recognition protein
UniProt Gene Name	Hjurp
UniProt Synonym Gene Names	Fleg1; mFleg1
UniProt Entry Name	HJURP_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hjurp-antibody-flow-cytometry-western-blot-elisa/126336>