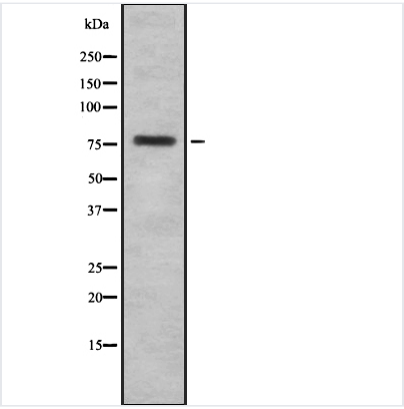
HJURP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HJURP, Polyclonal Antibody
Full Product Name	HJURP Antibody
Product Gene Name	anti-HJURP antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	HJURP antibody detects endogenous levels of total HJURP
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	HJURP peptide (MBS9627963) is used for blocking the activity of HJURP antibody (MBS9609259)
Molecular Weight	Observed: 84 kDa Predicted: 84 kDa
3D Structure	ModBase 3D Structure for Q8NCD3
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human HJURP
Subcellular Location	Nucleus; Nucleolus. 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 Specificity	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.
Predicted Cross Reactivity	**Pig, Horse, Dog**
Similarity	Pig (80%), Horse (100%), Dog (83%)
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-HJURP antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-HJURP antibody	WB: 1:1000-3000

Related Product Information for anti-HJURP antibody	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. Subunit Structure: Interacts with CENPA (via CATD domain); the interaction is direct and specific for CENPA since it does not interact with H3.1-or H3.3-containing nucleosomes (PubMed:16622419, PubMed:19410544, PubMed:19410545). Heterotrimer composed of HJURP, CENPA and histone H4, where HJURP interacts with the dimer formed by CENPA and histone H4 and prevents tetramerization of CENPA and H4 (PubMed:21478274). Identified in a centromere complex containing histones H2A, H2B and H4, and at least CENPA, CENPB, CENPC, CENPT, CENPN, HJURP, SUPT16H, SSRP1 and RSF1 (PubMed:27499292). Interacts with 14-3-3 family members in a phosphorylation-dependent manner (PubMed:17256767). Interacts with MSH5 and NBN (PubMed:17823411).
Other Notes	Small volumes of anti-HJURP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for HJURP purchase	MBS9609259 is an antibody targeting HJURP. Also known as HJURP Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-HJURP antibody
Western blot analysis of HJURP using COLO205 whole cell lysates

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HJURP. It may not necessarily be applicable to this product.

NCBI GI #	545477999
NCBI GeneID	55355
NCBI Accession #	NP_001269891.1
UniProt Primary Accession #	Q8NCD3
UniProt Secondary Accession #	Q9BUT2; Q9NSL8; A8IRH5; B4DWR0; B4DZV4
UniProt Related Accession #	Q8NCD3
GenBank Nucleotide #	NM_001282962.1
NCBI Official Full Name	Holliday junction recognition protein isoform b
NCBI Official Synonym Full Names	Holliday junction recognition protein
NCBI Official Symbol	HJURP
NCBI Official Synonym Symbols	FAKTS; URLC9; hFLEG1
UniProt Protein Name	Holliday junction recognition protein
UniProt Synonym Protein Names	14-3-3-associated AKT substrate; Fetal liver-expressing gene 1 protein; Up-regulated in lung cancer 9
Protein Family	Holliday junction recognition protein

UniProt Gene Name	HJURP
NCBI Protein Information	Holliday junction recognition protein
UniProt Comments for HJURP	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.
Research Articles on HJURP	**1.** Increased expression of HJURP was identified as an independent negative prognostic biomarker for patients with advanced serous ovarian cancer.
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