Product Datasheet

LEUTX Antibody - BSA Free
NBP1-90890

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 1

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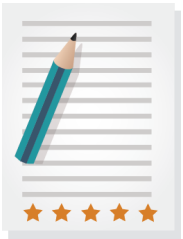
Updated 2/23/2026 v.20.1



NBP1-90890

LEUTX Antibody - BSA Free

Product Information

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

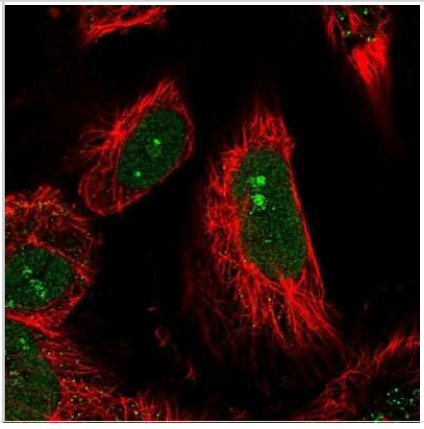
Description	Novus Biologicals Rabbit LEUTX Antibody - BSA Free (NBP1-90890) is a polyclonal antibody validated for use in IHC and ICC/IF. Anti-LEUTX Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	342900
Gene Symbol	LEUTX
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: AKWKRQQRQQMQTRPSLGPANQTTSVKKEETPSAITTANIRPVSPGISDANDH DLREPSGIKNPGGASASARVSSW

Product Application Details

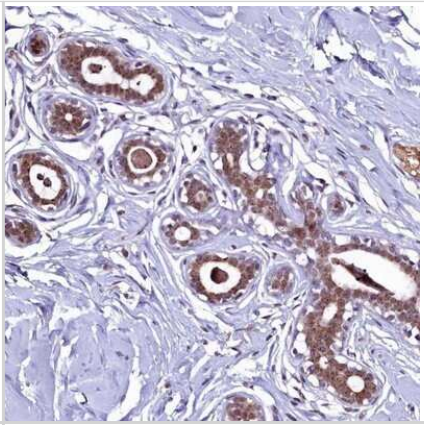
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Chromatin Immunoprecipitation-exo-Seq
Recommended Dilutions	Immunohistochemistry 1:20 - 1:50, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:20 - 1:50, Chromatin Immunoprecipitation-exo-Seq 1-10ug per reaction
Application Notes	IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

Images

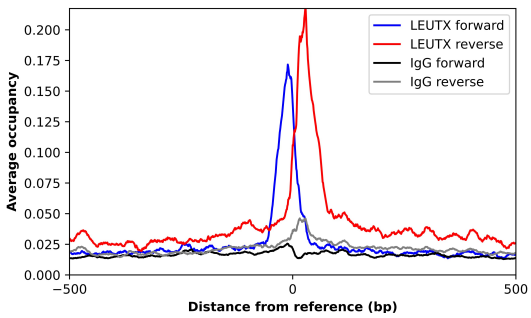
Immunocytochemistry/Immunofluorescence: LEUTX Antibody [NBP1-90890] - Staining of human cell line U-251 MG shows localization to nucleus & nucleoli. Antibody staining is shown in green.



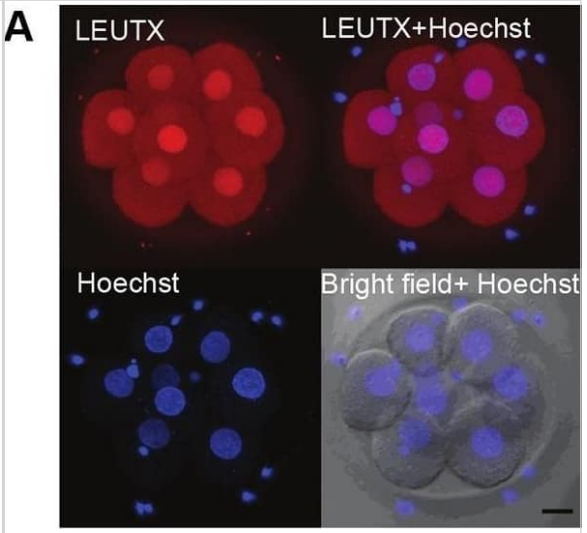
Immunohistochemistry-Paraffin: LEUTX Antibody [NBP1-90890] - Staining of human breast shows moderate cytoplasmic and nuclear positivity in glandular cells.



ChIP-Exo-Seq composite graph for Anti-LEUTX (NBP1-90890) tested in K562 cells. Strand-specific reads (blue: forward, red: reverse) and IgG controls (black: forward, grey: reverse) are plotted against the distance from a composite set of reference binding sites. The antibody exhibits robust target enrichment compared to a non-specific IgG control and precisely reveals its structural organization around the binding site. Data generated by Prof. B. F. Pugh´s Lab at Cornell University.



LEUTX expression in human preimplantation embryos and pluripotent stem cells. (A) Indirect immunolabeling in nuclei (blue) indicates LEUTX expression (red) in the human 8-cell embryo (n=3). Scale bar: 20 um. (B) STRT sequencing of single cells from human 8-cell blastomeres (n=14) and two hESC lines (HS983a and HS980, n=15 for each). The TSS-specific reads from LEUTX.n show low or undetectable expression in hESCs, but detectable expression in 8-cell blastomeres. ND, not detected. (C) qPCR validation in three hESC lines and an independent 8 -cell embryo library. Expression was detected in all studied cell lines (n=3), but only in one replicate for HS980. (D-F) LEUTX expression in Yan et al. (2013), Xue et al. (2013) and Petropoulos et al. (2016) data, all supporting LEUTX expression in 4- and 8-cell embryos and downregulation in the morula/blastocyst. (F) Day 3 to day 7 refer to embryos from the 8-cell stage to late blastocyst. (G) FANTOM5 data for LEUTX (n=1829). Only six iPSC samples contained tag clusters in the LEUTX region. The average expression refers to the FANTOM5 CAGE phase 1 and 2 samples in which expression was detected. (H) Human somatic fibroblasts from amniotic mesoderm (n=3) were used to generate human iPSCs (hiPS, n=15) (GEO dataset GSE20750, probe 42402). LEUTX shows higher expression in human iPSCs. (I) hESCs (n=4) were differentiated into cardiomyocytes (n=4) and analyzed by RNA expression array (GEO dataset GSE13834, probe 42402). LEUTX was expressed in hESCs, but not in differentiated cardiomyocytes. LEUTX is detected by Agilent 014850 Whole Human Genome Microarray 4x44K G4112F (H,I). Error bars indicate mean+/-s.e.m.; all comparisons for G-I are statistically significant (Student's t-test, P=0.05). Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/27578796), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Jouhilahti Em, Madissoon E, Vesterlund L et al. The Human PRD-like homeobox gene LEUTX has a central role in embryo genome activation. Development 2016-08-30 [PMID: 27578796] (ICC/IF)

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Products Related to NBP1-90890

NBP1-90890PEP	LEUTX Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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