

Rabbit anti-Human, Rat PBX1 Polyclonal Antibody | anti-PBX1 antibody

PBX1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234095	Rabbit	Human, Rat	Immunohistochemistry, Western Blot, ELISA

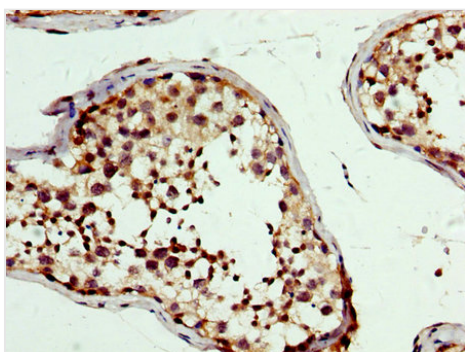
PRODUCT SYNONYMS

PBX1; Polyclonal Antibody; PBX1 Antibody; Pre-B-cell leukemia transcription factor 1; Homeobox protein PBX1; Homeobox protein PRL; PRL; anti-PBX1 antibody

PRODUCT SPECIFICATIONS

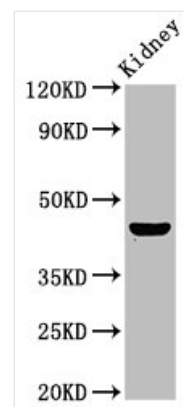
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	420
Applicable Applications for anti-PBX1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Pre-B-cell leukemia transcription factor 1 protein (315-430AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

IHC image of AAA234095 diluted at 1:300 and staining in paraffin-embedded human testis tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western Blot Positive WB detected in: Rat kidney tissue All lanes: PBX1 antibody at 4.7ug/ml Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 47, 39 KDa Observed band size: 47 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-PBX1 antibody	Binds the sequence 5'-ATCAATCAA-3'. Acts as a transcriptional activator of PF4 in complex with MEIS1. Converted into a potent transcriptional activator by the (1; 19) translocation. May have a role in steroidogenesis and, subsequently, sexual development and differentiation. Isoform PBX1b as part of a PDX1:PBX1b:MEIS2b complex in pancreatic acinar cells is involved in the transcriptional activation of the ELA1 enhancer; the complex binds to the enhancer B element and cooperates with the transcription factor 1 complex (PTF1) bound to the enhancer A element. Probably in complex with MEIS2, is involved in transcriptional regulation by KLF4. Acts as a transcriptional activator of NKX2-5 and a transcriptional repressor of CDKN2B. Together with NKX2-5, it is required for spleen development through a mechanism that involves CDKN2B repression (By similarity).
Product Categories/Family for anti-PBX1 antibody	Epigenetics and Nuclear Signaling; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	326320052
NCBI GeneID	5087
NCBI Accession #	NP_001191892.1
NCBI GenBank Nucleotide #	NM_001204963.1
UniProt Accession #	P40424; Q5T488; B4DSC1; F5H4U9
Molecular Weight	46,265 Da
NCBI Official Full Name	pre-B-cell leukemia transcription factor 1 isoform 3
NCBI Official Synonym Full Names	PBX homeobox 1
NCBI Official Symbol	PBX1
NCBI Official Synonym Symbols	CAKUHD
NCBI Protein Information	pre-B-cell leukemia transcription factor 1
UniProt Protein Name	Pre-B-cell leukemia transcription factor 1
UniProt Gene Name	PBX1
UniProt Synonym Gene Names	PRL

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/pbx1-antibody-immunohistochemistry-western-blot-elisa/234095>