



## Rabbit Anti-PBXIP1 antibody

SL19901R

<b>Product Name:</b>	PBXIP1
<b>Chinese Name:</b>	造血相互作用蛋白PBX抗体
<b>Alias:</b>	4732463H20Rik; Hematopoietic PBX interacting protein; HPIP; MGC38361; Pre B cell leukemia homeobox interacting protein 1; RP11-307C12.2.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Cow,Horse,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	81kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human PBXIP1:631-731/731
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	PBXIP1 is a regulator of pre-B-cell leukemia transcription factors (BPXs) function. It inhibits the binding of PBX1-HOX complex to DNA and blocks the transcriptional activity of E2A-PBX1. PBXIP1 also tethers estrogen receptor-alpha (ESR1) to microtubules and allows them to influence estrogen receptors-alpha signaling.
	<b>Function:</b>

Regulator of pre-B-cell leukemia transcription factors (BPXs) function. Inhibits the binding of PBX1-HOX complex to DNA and blocks the transcriptional activity of E2A-PBX1. Tethers estrogen receptor-alpha (ESR1) to microtubules and allows them to influence estrogen receptors-alpha signaling.3 Publications

Manually curated information for which there is published experimental evidence.

[More...](#)

Manual assertion based on experiment ini Ref.1"Functional cloning and characterization of a novel nonhomeodomain protein that inhibits the binding of PBX1-HOX complexes to DNA." Abramovich C., Shen W.-F., Pineault N., Imren S., Montpetit B., Largman C., Humphries R.K. J. Biol. Chem. 275:26172-26177(2000) [PubMed] [Europe PMC] [Abstract]Cited for: NUCLEOTIDE SEQUENCE [MRNA] (ISOFORM 1), FUNCTION, TISSUE SPECIFICITY, SUBCELLULAR LOCATION, INTERACTION WITH PBX1; PBX2 AND PBX3, VARIANT ASP-357. Ref.6"Functional characterization of multiple domains involved in the subcellular localization of the hematopoietic Pbx interacting protein (HPIP)." Abramovich C., Chavez E.A., Lansdorp P.M., Humphries R.K. Oncogene 21:6766-6771(2002) [PubMed] [Europe PMC] [Abstract]Cited for: FUNCTION, CHARACTERIZATION, SUBCELLULAR LOCATION. Ref.8"An inherent role of microtubule network in the action of nuclear receptor." Manavathi B., Acconcia F., Rayala S.K., Kumar R. Proc. Natl. Acad. Sci. U.S.A. 103:15981-15986(2006) [PubMed] [Europe PMC] [Abstract]Cited for: FUNCTION, SUBCELLULAR LOCATION, INTERACTION WITH ESR1, MUTAGENESIS OF 615-LEU--LEU-619.

**Subunit:**

Interacts with TEX11 (By similarity). Interacts with ESR1, PBX1, PBX2 and PBX3.

**Subcellular Location:**

Cytoplasm, cytoskeleton. Nucleus. Note=Shuttles between the nucleus and the cytosol. Mainly localized in the cytoplasm, associated with microtubules. Detected in small amounts in the nucleus.

**Tissue Specificity:**

Expressed in early hematopoietic precursors.

**SWISS:**

Q96AQ6

**Gene ID:**

57326

**Database links:**

[Entrez Gene: 57326](#) Human

[Entrez Gene: 229534](#) Mouse

[Entrez Gene: 310644](#) Rat

[SwissProt: Q96AQ6](#) Human

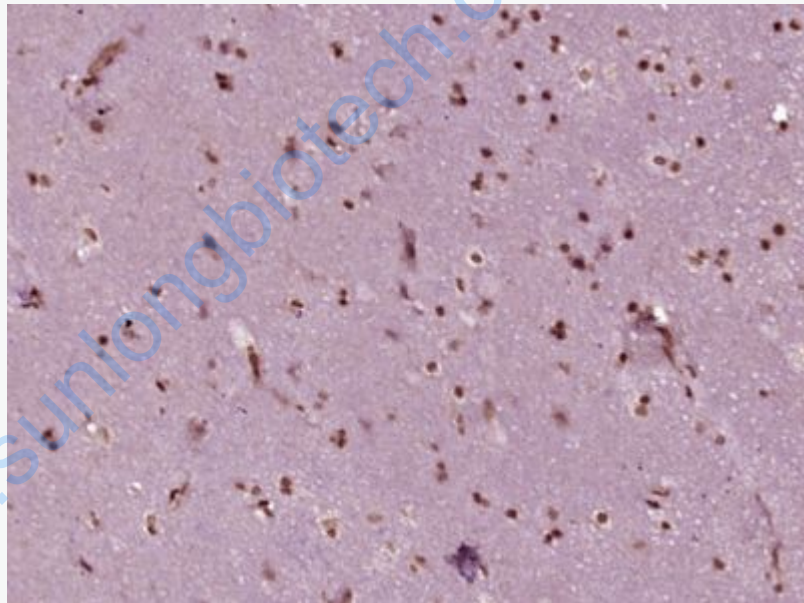
[SwissProt: Q3TVI8](#) Mouse

[SwissProt: A2VD12](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Picture:**



Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PBXIP1) Polyclonal Antibody, Unconjugated (SL19901R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

