

DTX1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8923c**Specification**

DTX1 Antibody (Center) - Product Information

Application	FC, IHC-P, WB,E
Primary Accession	Q86Y01
Other Accession	Q61010
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	67368
Antigen Region	382-410

DTX1 Antibody (Center) - Additional Information**Gene ID** 1840**Other Names**

E3 ubiquitin-protein ligase DTX1, 632-, Protein deltex-1, Deltex1, hDTX1, DTX1

Target/Specificity

This DTX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 382-410 amino acids from the Central region of human DTX1.

Dilution

FC~~1:10~50

IHC-P~~1:50~100

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

DTX1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

DTX1 Antibody (Center) - Protein Information

Name DTX1

Function Functions as a ubiquitin ligase protein in vivo, mediating ubiquitination and promoting degradation of MEKK1, suggesting that it may regulate the Notch pathway via some ubiquitin ligase activity (By similarity). Regulator of Notch signaling, a signaling pathway involved in cell-cell communications that regulates a broad spectrum of cell- fate determinations. Mainly acts as a positive regulator of Notch, but it also acts as a negative regulator, depending on the developmental and cell context. Mediates the antineural activity of Notch, possibly by inhibiting the transcriptional activation mediated by MATCH1. Involved in neurogenesis, lymphogenesis and myogenesis, and may also be involved in MZB (Marginal zone B) cell differentiation. Promotes B-cell development at the expense of T-cell development, suggesting that it can antagonize NOTCH1.

Cellular Location

Cytoplasm. Nucleus. Note=Predominantly cytoplasmic. Associates with endocytic vesicles. Partially nuclear

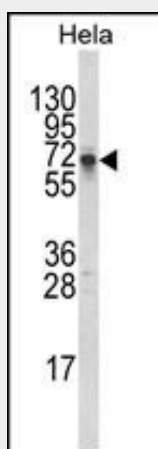
Tissue Location

Widely expressed. Strongly expressed in blood vessel. Also expressed in embryonic nervous system, pancreas, lung, adrenal gland, digestive tube and muscles. Expressed in MZB cells and developing B- and T-cells.

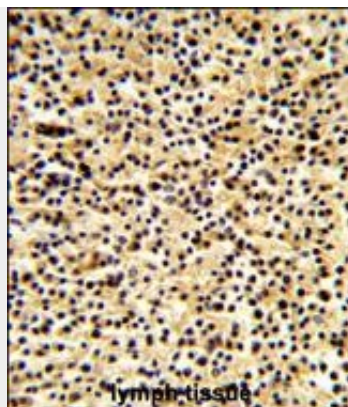
DTX1 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

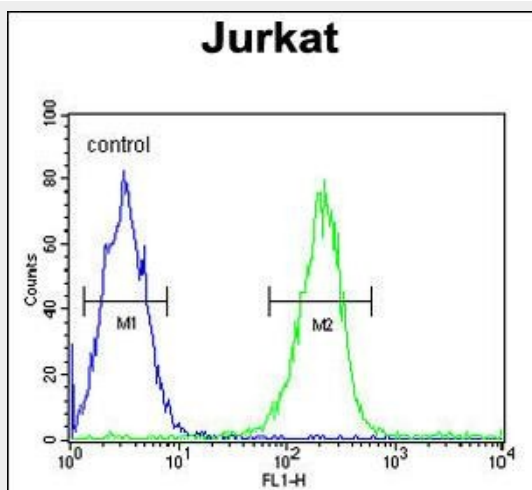
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DTX1 Antibody (Center) - Images

Western blot analysis of DTX1 Antibody (Center) (Cat. #AP8923c) in HeLa cell line lysates (35ug/lane). DTX1 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human lymph tissue reacted with DTX1 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



DTX1 Antibody (Center) (Cat. #AP8923c) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

DTX1 Antibody (Center) - Background

DTX1 was identified as encoding a positive regulator of the Notch-signaling pathway in *Drosophila*. The human gene encodes a protein of unknown function; however, it may play a role in basic helix-loop-helix transcription factor activity.

DTX1 Antibody (Center) - References

Wu, C., et al., *Proteomics* 7 (11), 1775-1785 (2007)