

DTX1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP13133c**Specification**

DTX1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q86Y01](#)**DTX1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 1840**Other Names**

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

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13133c was selected from the Center region of DTX1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

DTX1 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DTX1 Antibody (Center) Blocking Peptide - Images**DTX1 Antibody (Center) Blocking Peptide - Background**

Studies in Drosophila have identified this gene as encoding a positive regulator of the Notch-signaling pathway. 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) Blocking Peptide - References

Wu, C., et al. Proteomics 7(11):1775-1785(2007) Chastagner, P., et al. EMBO Rep. 7(11):1147-1153(2006) Takeyama, K., et al. J. Biol. Chem. 278(24):21930-21937(2003) Saito, T., et al. Immunity 18(5):675-685(2003) Gupta-Rossi, N., et al. Mol. Immunol. 39(13):791-799(2003)