



## Rabbit Anti-Deltex 1 antibody

SL0399R

<b>Product Name:</b>	Deltex 1
<b>Chinese Name:</b>	DTX1抗体
<b>Alias:</b>	Deltex protein 1; Deltex; Deltex-1; Deltex1; Dtx1; FXI-T1; Fxit 1; Fxit1; mDTX1; DTX1 HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Cow,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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>	67kDa
<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 Deltex-1:351-450/620
<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>	Deltex is a RING finger ubiquitin ligase which is conserved from Drosophila to Humans and is a regulator of Notch signaling pathway. Deltex regulates both B-cell lineage and splenic marginal-zone B-cell commitment. Deltex is implicated in neurogenesis, lymphogenesis and myogenesis as well as marginal zone B cell differentiation.  <b>Function:</b>

Functions as an 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.

**Subunit:**

Homodimer. May form a heterodimer with other members of the Deltex family. Interacts with NOTCH1 via its N-terminus region and EIF3F, the interaction is required for NOTCH1 deubiquitination. Interacts with EP300. Forms a heterodimer with BBAP; the heterodimerization leading to an increase of in vitro ubiquitin ligase activity. Interacts with ITCH.

**Subcellular Location:**

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

**Tissue Specificity:**

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.

**Post-translational modifications:**

Ubiquitinated; undergoes 'Lys-29'-linked polyubiquitination catalyzed by ITCH.

**Similarity:**

Belongs to the Deltex family.  
Contains 1 RING-type zinc finger.  
Contains 2 WWE domains.

**SWISS:**

Q86Y01

**Gene ID:**

1840

**Database links:**

[Entrez Gene: 1840](#)Human

[Entrez Gene: 14357](#)Mouse

[Omid: 602582](#)Human

[SwissProt: Q86Y01](#)Human

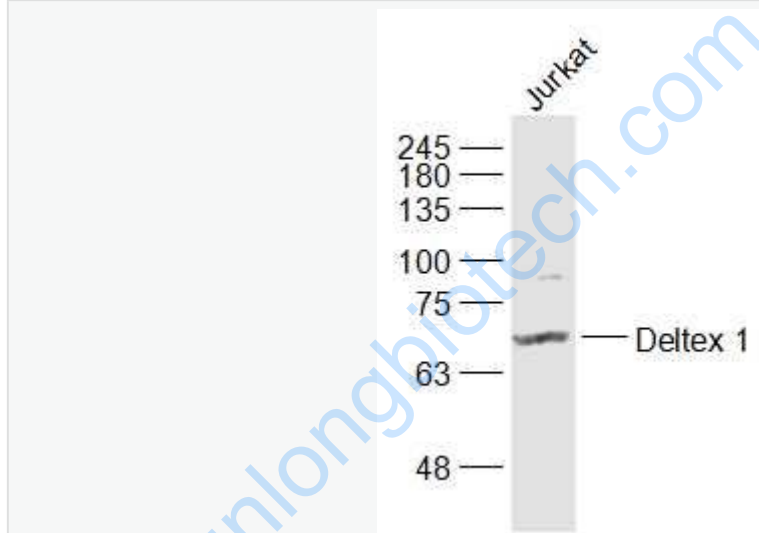
[SwissProt: Q61010](#)Mouse

**Important Note:**

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

Deltex1用于老年痴呆、神经退行性变的研究。

**Picture:**



Sample:

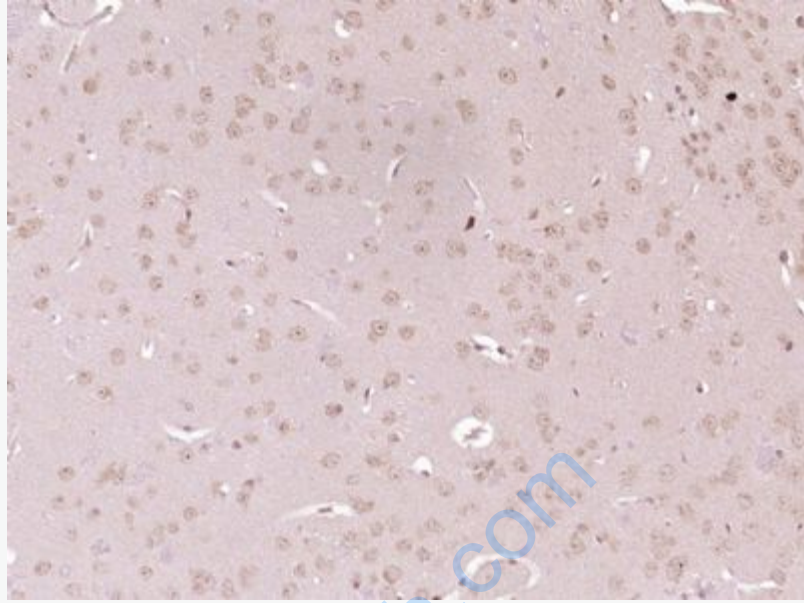
Jurkat(Human) Cell Lysate at 30 ug

Primary: Anti-Deltex 1 (SL0399R) at 1/1000 dilution

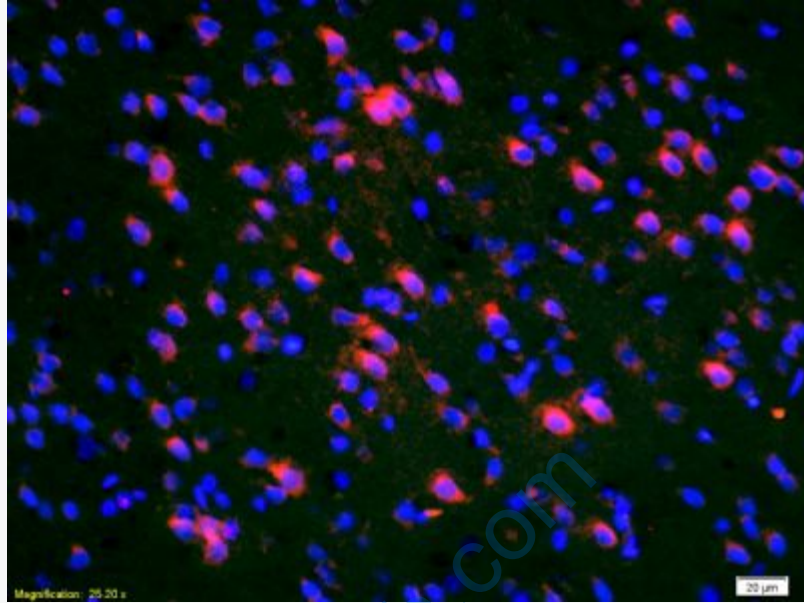
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 67 kD

Observed band size: 67 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (Deltex 1) Polyclonal Antibody, Unconjugated (SL0399R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: rat brain tissue;4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min;

Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Deltex 1 Polyclonal Antibody, Unconjugated(SL0399R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(SL0399R)used at 1:200 dilution for 40 minutes at 37°C.

DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei