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Store at -20C  
#2663

## Deltex-2 Antibody

For Research Use Only. Not for Use in Diagnostic Procedures.

<b>Applications:</b> W, IP	<b>Reactivity:</b> M	<b>Sensitivity:</b> Transfected Only	<b>MW (kDa):</b> 70	<b>Source/Isotype:</b> Rabbit	<b>UniProt ID:</b> #Q86UW9	<b>Entrez-Gene Id:</b> 113878
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### Product Usage Information

#### Application

Western Blotting  
Immunoprecipitation

#### Dilution

1:1000  
1:100

### Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

### Specificity/Sensitivity

Deltex-2 Antibody detects transfected levels of total Deltex-2 protein.

### Species predicted to react based on 100% sequence homology

Human, Rat

### Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala607 of human Deltex-2. Antibodies are purified by protein A and peptide affinity chromatography.

### Background

Deltex (DTX) encodes a putative E3 ubiquitin ligase first identified from *Drosophila* and shown to modulate Notch signaling (1). Several mammalian Deltex homologs have been isolated (2,3), all containing a pair of WWE repeats, a proline-rich region, and a Ring-finger domain (4,5). Deltex binds to the ankyrin-repeat domain of Notch and is capable of regulating Notch signaling positively or negatively in different systems (4,6). In addition, Deltex can also form homo-multimers (4). While Deltex has been implicated in Notch signaling regulation of lymphocyte development, this signal modifier may also have a transcriptional function independent of Notch (3, 6-8).

### Background References

- Xu, T. and Artavanis-Tsakonas, S. (1990) *Genetics* 126, 665-77.
- Kishi, N. et al. (2001) *Int J Dev Neurosci* 19, 21-35.
- Lehar, S.M. and Bevan, M.J. (2006) *Mol Cell Biol* 26, 7358-71.
- Matsuno, K. et al. (1995) *Development* 121, 2633-44.
- Zweifel, M.E. et al. (2005) *Structure* 13, 1599-611.
- Izon, D.J. et al. (2002) *Immunity* 16, 231-43.
- Yun, T.J. and Bevan, M.J. (2003) *J Immunol* 170, 5834-41.
- Yamamoto, N. et al. (2001) *J Biol Chem* 276, 45031-40.

### Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

### Western Blot Buffer

**IMPORTANT:** For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

### Applications Key

**W:** Western Blotting **IP:** Immunoprecipitation

### Cross-Reactivity Key

**M:** Mouse

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