

#2663 Store at -20C

Deltex-2 Antibody


Cell Signaling
TECHNOLOGY®

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

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source:	UniProt ID:	Entrez-Gene Id:
WB, IP	M	Transfected Only	70	Rabbit	#Q86UW9	113878

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

WB: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Mi:** mink **C:** chicken **Dm:** D. melanogaster
X: Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Sc:** S. cerevisiae **Ce:** C. elegans **Hr:** horse
GP: Guinea Pig **Rab:** rabbit **All:** all species expected

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