

Goat Anti-DTX3 Antibody
Peptide-affinity purified goat antibody
Catalog # AF2213a**Specification**

Goat Anti-DTX3 Antibody - Product Information

Application	WB
Primary Accession	Q8N9I9
Other Accession	NP_848597 , 196403 , 80904 (mouse) , 500847 (rat)
Reactivity	Mouse
Predicted	Human, Rat, Cow
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	37988

Goat Anti-DTX3 Antibody - Additional Information**Gene ID** 196403**Other Names**

Probable E3 ubiquitin-protein ligase DTX3, 6.3.2.-, Protein deltex-3, Deltex3, RING finger protein 154, DTX3, RNF154

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-DTX3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-DTX3 Antibody - Protein Information**Name** DTX3**Synonyms** RNF154**Function**

Regulator of Notch signaling, a signaling pathway involved in cell-cell communications that regulates a broad spectrum of cell-fate determinations. Probably acts both as a positive and

negative regulator of Notch, depending on the developmental and cell context (By similarity). Functions as an ubiquitin ligase protein in vitro, suggesting that it may regulate the Notch pathway via some ubiquitin ligase activity.

Cellular Location

Cytoplasm.

Goat Anti-DTX3 Antibody - 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](#)

Goat Anti-DTX3 Antibody - Images

AF2213a (0.3 µg/ml) staining of NIH3T3 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-DTX3 Antibody - Background

DTX3 functions as an E3 ubiquitin ligase (Takeyama et al., 2003 [PubMed 12670957]).

Goat Anti-DTX3 Antibody - References

Itch/AIP4 mediates Deltex degradation through the formation of K29-linked polyubiquitin chains. Chastagner P, et al. EMBO Rep, 2006 Nov. PMID 17028573.

Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. Nat Genet, 2004 Jan. PMID 14702039.

The BAL-binding protein BBAP and related Deltex family members exhibit ubiquitin-protein isopeptide ligase activity. Takeyama K, et al. J Biol Chem, 2003 Jun 13. PMID 12670957.

Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.

Murine homologs of deltex define a novel gene family involved in vertebrate Notch signaling and neurogenesis. Kishi N, et al. Int J Dev Neurosci, 2001 Feb. PMID 11226752.