

# **DTX2 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54847

#### **Specification**

# **DTX2 Polyclonal Antibody - Product Information**

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession
Reactivity
Rat
Host
Clonality
Calculated MW
Rat
Polyclonal
67 KDa

Immunogen KLH conjugated synthetic peptide derived

from human DTX2

331-430/622

Liquid

IgG

**Epitope Specificity** 

**Physical State** 

Isotype **Purity** 

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Cytoplasmic and Nuclear.

SIMILARITY Belongs to the Deltex family. Contains 1

RING-type zinc finger. Contains 2 WWE

domains.

SUBUNIT Homodimer. May form a heterodimer with

other members of the Deltex family.

Interacts with NOTCH1.

Important Note This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

#### **Background Descriptions**

DTX2 belongs to the Deltex family. It contains one RING-type zinc finger and two WWE domains. DTX2 is a regulator of Notch signaling, a signaling pathway involved in cell-cell communications that regulates a broad spectrum of cell-fate determinations. It probably acts both as a positive and negative regulator of Notch, depending on the developmental and cell context; mediates the antineural activity of Notch, possibly by inhibiting the transcriptional activation mediated by MATCH1. DTX2 also functions as an ubiquitin ligase protein in vitro, suggesting that it may regulate the Notch pathway via some ubiquitin ligase activity. The WWE domains are thought to mediate some protein-protein interaction, and are frequently found in ubiquitin ligases. There are two named isoforms.

#### **DTX2 Polyclonal Antibody - Additional Information**

**Gene ID** 113878

**Other Names** 

Probable E3 ubiquitin-protein ligase DTX2, 2.3.2.27, DTX2, KIAA1528, RNF58



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#### **Dilution**

<span class ="dilution\_WB">WB~~1:1000</span><br \><span class</pre> ="dilution IHC-P">IHC-P~~N/A</span><br \><span class ="dilution IHC-F">IHC-F~~N/A</span><br \><span class ="dilution  $IF">IF~\sim1:50\sim200</span><br/>span class = "dilution ICC">ICC~\sim N/A</span><br/>br$ \><span class ="dilution E">E~~N/A</span>

# Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

## **DTX2 Polyclonal Antibody - Protein Information**

Name DTX2

Synonyms KIAA1528, RNF58

#### **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. Mediates the antineural activity of Notch, possibly by inhibiting the transcriptional activation mediated by MATCH1. Functions as a ubiquitin ligase protein in vitro, suggesting that it may regulate the Notch pathway via some ubiquitin ligase activity.

#### **Cellular Location**

Cytoplasm. Nucleus. Note=Predominantly cytoplasmic Partially nuclear.

## **DTX2 Polyclonal 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 Cytomety
- Cell Culture

# DTX2 Polyclonal Antibody - Images