

For Research Use Only

# DTX4 Polyclonal antibody

Catalog Number: 25222-1-AP

Featured Product

4 Publications



## Basic Information

### Catalog Number:

25222-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG18415

### GenBank Accession Number:

BC119011

### GeneID (NCBI):

23220

### UNIPROT ID:

Q9Y2E6

### Full Name:

deltex homolog 4 (Drosophila)

### Calculated MW:

619 aa, 67 kDa

### Observed MW:

67-70 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:200-1:1000

IF-P 1:50-1:500

IF/ICC 1:10-1:100

## Applications

### Tested Applications:

WB, IF/ICC, IF-P, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse

### Cited Species:

human, mouse, rat

### Positive Controls:

WB : mouse kidney tissue,

IF-P : mouse embryo tissue,

IF/ICC : HEK-293 cells,

## Background Information

DTX4, also named as KIAA0937, RNF155, is a 619 amino acid protein, which belongs to the Deltex family. DTX4 as a regulator of Notch signaling, a signaling pathway involved in cell-cell communications that regulates a broad spectrum of cell-fate determinations. DTX4 functions as a ubiquitin ligase protein in vivo, mediating 'Lys48'-linked polyubiquitination and promoting degradation of TBK1, targeting to TBK1 requires interaction with NLRP4.

## Notable Publications

Author	Pubmed ID	Journal	Application
Eva Christine Schumacher	29054136	Stem Cells Dev	WB
Zonggui Wang	28842252	Biochem Biophys Res Commun	WB, IF
Jinxiang Wu	38849380	Cell Death Dis	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

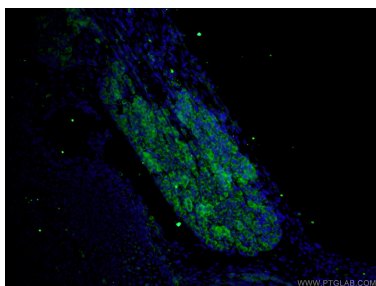
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

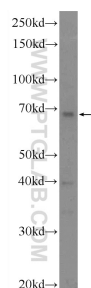
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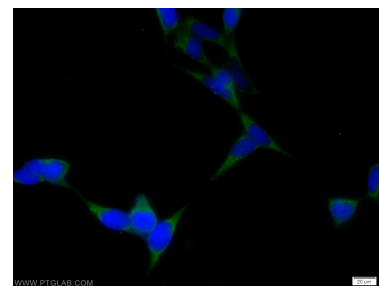
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse embryo tissue using 25222-1-AP (DTX4 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



mouse kidney tissue were subjected to SDS PAGE followed by western blot with 25222-1-AP (DTX4 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HEK-293 cells using 25222-1-AP (DTX4 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).