

For Research Use Only

# POU3F4 Polyclonal antibody

Catalog Number: 25114-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 25114-1-AP	<b>GenBank Accession Number:</b> BC146551	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop and 220 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5456	<b>Recommended Dilutions:</b> WB 1:200-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> POU class 3 homeobox 4	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 361 aa, 39 kDa	
<b>Immunogen Catalog Number:</b> AG18925	<b>Observed MW:</b> 40-45 kDa	

## Applications

<b>Tested Applications:</b> WB,ELISA	<b>Positive Controls:</b> WB : fetal human brain tissue,
<b>Cited Applications:</b> IF	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> mouse	

## Background Information

OTF9 also named as BRN4 and POU3F4, belongs to the POU transcription factor family and Class-3 subfamily. OTF9 is a transcription factor which exerts its primary action widely during early neural development and in a very limited set of neurons in the mature brain. Mutation of OTF9 will cause of X-linked deafness type 3 (DFN3).

## Notable Publications

Author	Pubmed ID	Journal	Application
Takumi Kishimoto	38229076	J Biol Eng	IF

## Storage

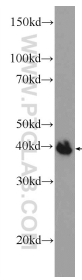
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



fetal human brain tissue were subjected to SDS PAGE followed by western blot with 25114-1-AP (POU3F4 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.