

Datasheet for ABIN1387287  
**anti-POU3F4 antibody (AA 211-320)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	POU3F4
Binding Specificity:	AA 211-320
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POU3F4 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human POU3F4
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Dog,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	POU3F4
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## Target Details

Alternative Name:	POU3F4 ( <a href="#">POU3F4 Products</a> )
Background:	<p>Synonyms: class 3, transcription factor 4, Brain specic homeobox POU domain protein 4, Brain-4, Brain-specific homeobox/POU domain protein 4, BRAIN4, Brn-4, BRN4, DFN3, Oct-9, Octamer-binding protein 9, Octamer-binding transcription factor 9, OTF-9, OTF9, PO3F4_HUMAN, POU domain, POU domain class 3 transcription factor 4, POU3F4.</p> <p>Background: Probable transcription factor which exert its primary action widely during early neural development and in a very limited set of neurons in the mature brain.Defects in POU3F4 are a cause of deafness X-linked type 2 (DFNX2) . A mixed type of deafness characterized by both conductive hearing loss resulting from stapes (perilymphatic gusher) fixation and progressive sensorineural deafness.</p>
Gene ID:	5456
Pathways:	<a href="#">Sensory Perception of Sound</a>

## Application Details

Application Notes:	ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

## Handling

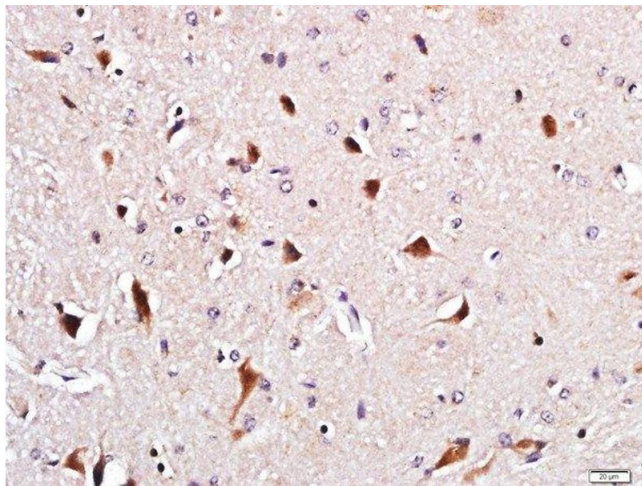
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C

## Handling

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

## Images



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Paraformaldehyde-fixed, paraffin embedded mouse brain, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with POU3F4 Polyclonal Antibody, Unconjugated at 1:500 overnight at 4°C, followed by a conjugated secondary and DAB staining.