

For Research Use Only

# POU4F3 Recombinant antibody

Catalog Number: 82980-1-RR



## Basic Information

**Catalog Number:**

82980-1-RR

**Size:**

600 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG16004

**GenBank Accession Number:**

BC104923

**GeneID (NCBI):**

5459

**UNIPROT ID:**

Q15319

**Full Name:**

POU class 4 homeobox 3

**Calculated MW:**

338 aa, 37 kDa

**Observed MW:**

33-40 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

230345F1

**Recommended Dilutions:**

WB 1:2000-1:12000

IHC 1:200-1:800

IF-P 1:175-1:700

IF/ICC 1:50-1:500

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, IF-P, FC (Intra), ELISA

**Species Specificity:**

human, mouse

**Note-IHC: suggested antigen retrieval with *TE buffer pH 9.0*; (\*) Alternatively, antigen retrieval may be performed with *citrate buffer pH 6.0***

**Positive Controls:**

**WB :** Neuro-2a cells, mouse brain tissue

**IHC :** mouse brain tissue,

**IF-P :** rat brain tissue,

**IF/ICC :** U2OS cells,

## Background Information

### 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

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

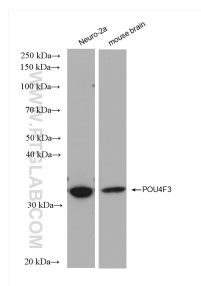
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

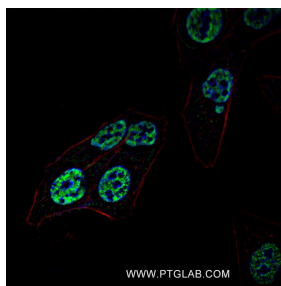
W: [ptgcn.com](http://ptgcn.com)

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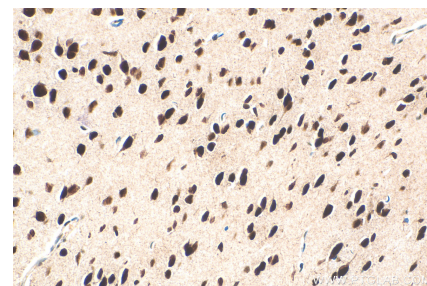
## Selected Validation Data



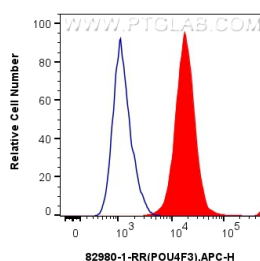
Various lysates were subjected to SDS PAGE followed by western blot with 82980-1-RR (POU4F3 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



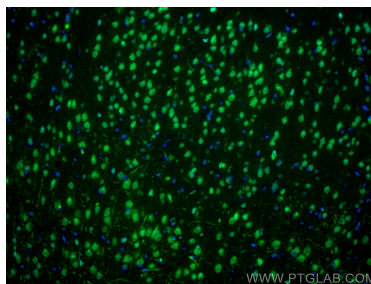
Immunofluorescent analysis of (4% PFA) fixed U2OS cells using POU4F3 antibody (82980-1-RR, Clone: 230345F1 ) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1).



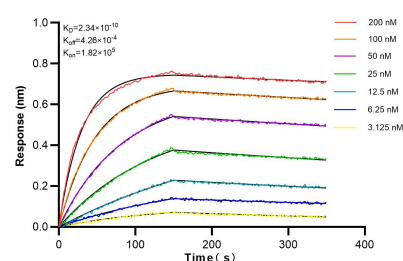
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 82980-1-RR (POU4F3 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10<sup>6</sup> U-251 cells were intracellularly stained with 0.25 ug Anti-Human POU4F3 (82980-1-RR, Clone:230345F1) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat brain tissue using POU4F3 antibody (82980-1-RR, Clone: 230345F1 ) at dilution of 1:350 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Bilayer interferometry (BLI) kinetic assays of 82980-1-RR against Human POU4F3 were performed. The affinity constant is 0.234 nM.