For Research Use Only

POU4F3 Recombinant monoclonal antibody

Catalog Number:82980-1-RR

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
82980-1-RR

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
FC (Intra): 0.25 ug per 10^6 cells in a 100 ul suspension

Applications

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

Species Specificity:
human, mouse, rat

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,

FC (Intra) : U-251 cells,

Background Information

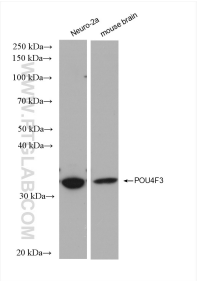
Storage

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

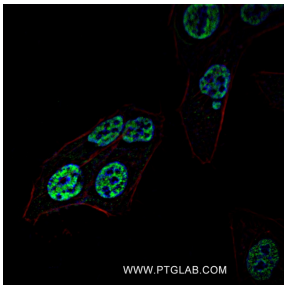
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

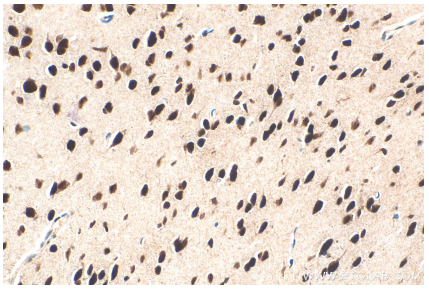
Selected Validation Data



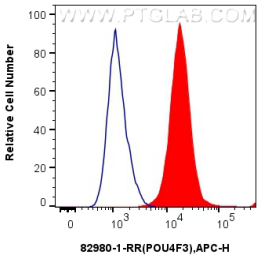
Various lysates were subjected to SDS PAGE followed by western blot with 82980-1-RR (POU4F3 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



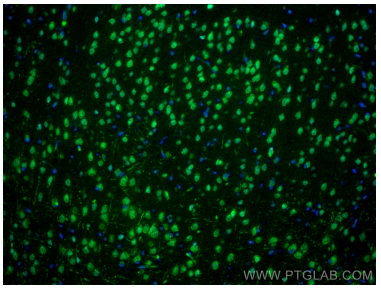
Immunofluorescent analysis of (4% PFA) fixed U2OS cells using POU4F3 antibody (82980-1-RR, Clone: 230345F1) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1).



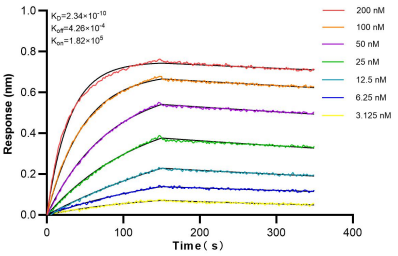
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 82980-1-RR (POU4F3 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10^6 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 isotype control (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).



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