

Datasheet for ABIN6243925
anti-OCT4 antibody (N-Term)[Go to Product page](#)

3 Images

Overview

Quantity:	400 µL
Target:	OCT4 (POU5F1)
Binding Specificity:	AA 86-119, N-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OCT4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Mouse Pou5f1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 86-119 amino acids from the N-terminal region of Mouse Pou5f1.
Clone:	RB52378
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	OCT4 (POU5F1)
Alternative Name:	Pou5f1 (POU5F1 Products)
Background:	Transcription factor that binds to the octamer motif (5'-ATTTGCAT-3'). Forms a trimeric

Target Details

complex with SOX2 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206. Critical for early embryogenesis and for embryonic stem cell pluripotency.

Molecular Weight: 38216

UniProt: [P20263](#)

Pathways: [Stem Cell Maintenance](#)

Application Details

Application Notes: WB: 1:2000. WB: 1:2000. IHC-P: 1:25

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

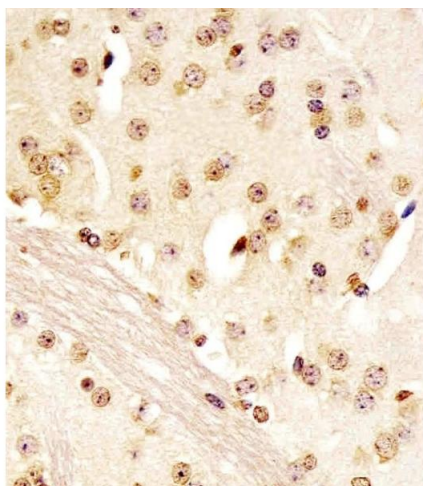
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Expiry Date: 6 months

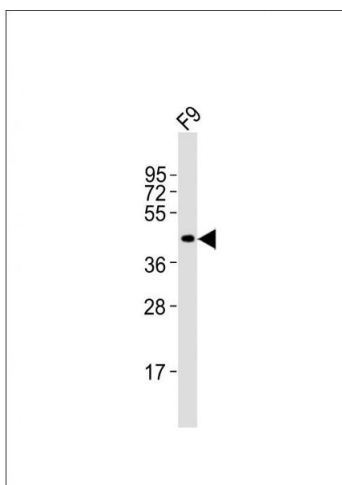
Images



Immunohistochemistry (Paraffin-embedded Sections)

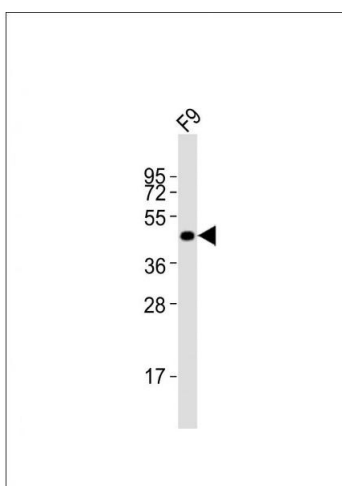
Image 1. (ABIN6243925 and ABIN6578096) staining (Mouse) Pou5f1 in mouse brain sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3 % BSA for 0.5 hour at room temperature, antigen retrieval was by heat mediation with a citrate buffer (pH 6). Samples were incubated with primary antibody (1/25) for 1 hour at 37 °C. A undiluted

biotinylated goat polyvalent antibody was used as the secondary antibody.



Western Blotting

Image 2. Anti-Pou5f1 Antibody (N-term) at 1:2000 dilution + F9 whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 38 kDa. Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 3. Anti-Pou5f1 Antibody (N-term) at 1:2000 dilution + F9 whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 38 kDa. Blocking/Dilution buffer: 5 % NFDM/TBST.