


Product datasheet

Anti-POU3F2 antibody ab94977

★★★★☆ 2 Abreviews 2 References 2 Images

Overview

Product name	Anti-POU3F2 antibody
Description	Rabbit polyclonal to POU3F2
Tested applications	Suitable for: IHC-P, WB, ICC/IF
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat 
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 1 - 100 of Human POU3F2. Read Abcam's proprietary immunogen policy
Positive control	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> Purchase matching WB positive control: Recombinant Human POU3F2 protein > </div> <p>This antibody gave a positive signal in E16 Mouse Embryo Brain Tissue Lysate and in the following whole cell lysates: HeLa; Jurkat. IHC-P: E17 mouse brain FFPE tissue sections.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab94977** in the following tested applications.

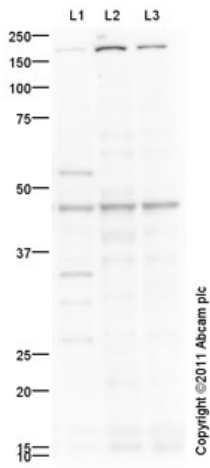
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 47 kDa (predicted molecular weight: 47 kDa).
ICC/IF	★★★★☆	Use at an assay dependent concentration.

Target

Function	Transcription factor that binds preferentially to the recognition sequence which consists of two distinct half-sites, ('GCAT') and ('TAAT'), separated by a nonconserved spacer region of 0, 2, or 3 nucleotides. Positively regulates the genes under the control of corticotropin-releasing hormone (CRH) and CRH II promoters.
Tissue specificity	Expressed specifically in the neuroectodermal cell lineage.
Sequence similarities	Belongs to the POU transcription factor family. Class-3 subfamily. Contains 1 homeobox DNA-binding domain. Contains 1 POU-specific domain.
Cellular localization	Nucleus.

Images



Western blot - POU3F2 antibody (ab94977)

All lanes : Anti-POU3F2 antibody (ab94977)
at 1 µg/ml

Lane 1 : E16 Mouse Embryo Brain Tissue
Lysate

Lane 2 : HeLa (Human epithelial carcinoma
cell line) Whole Cell Lysate

Lane 3 : Jurkat (Human T cell lymphoblast-like
cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed
([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique

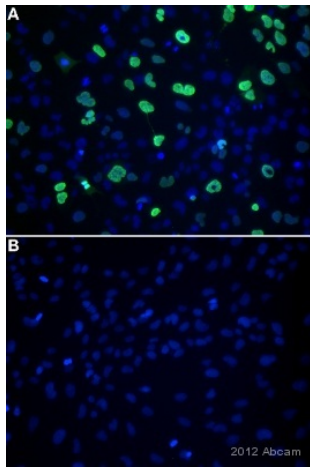
Performed under reducing conditions.

Predicted band size : 47 kDa

Observed band size : 47 kDa

Additional bands at : 200 kDa, 35 kDa, 55
kDa. We are unsure as to the identity of these
extra bands.

Exposure time : 8 minutes



Immunocytochemistry/ Immunofluorescence - Anti-POU3F2 antibody (ab94977)

This image is courtesy of an anonymous Abreview

ab94977 staining POU3F2 Figure A: Human immortalized Schwann cells transfected with mouse Brn2, fixed and stained 2 days post transfection under conditions specified in above review. Figure B: Non-transfected control under the same staining conditions by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with Paraformaldehyde, permeabilized with Triton X-100 0.3% in PBS for 10 mins at 21°C and blocked with 5% normal Goat serum for 1 hour at 25°C. Samples were incubated with primary antibody (1/1000 in 5% Goat serum) for 22 hour at 4°C. An Alexa Fluor®488-conjugated Goat anti-Rabbit IgG polyclonal (1/500) was used as the secondary antibody for 2 hours at 25°C.

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