


Product datasheet

Anti-Brn-2 antibody ab94977

★★★★☆ 2 Abreviews 3 References 2 Images

Overview

<b>Product name</b>	Anti-Brn-2 antibody
<b>Description</b>	Rabbit polyclonal to Brn-2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat 
<b>Immunogen</b>	Synthetic peptide corresponding to Human Brn-2 aa 1-100 conjugated to keyhole limpet haemocyanin. (Peptide available as <a href="#">ab106418</a> )
<b>Positive control</b>	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <a href="#">Purchase matching WB positive control: Recombinant Human Brn-2 protein &gt;</a> </div> <p>This antibody gave a positive signal in E16 Mouse Embryo Brain Tissue Lysate and in the following whole cell lysates: HeLa; Jurkat.</p>
<b>General notes</b>	Protein name formally labeled as POU3F2.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	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.
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

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

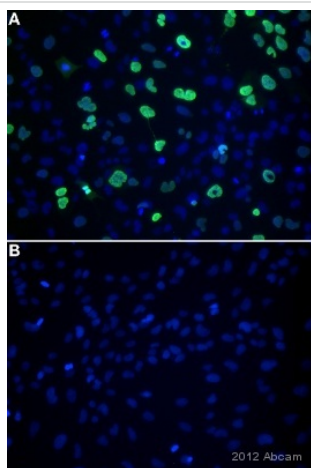
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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

<b>Function</b>	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.
<b>Tissue specificity</b>	Expressed specifically in the neuroectodermal cell lineage.
<b>Sequence similarities</b>	Belongs to the POU transcription factor family. Class-3 subfamily. Contains 1 homeobox DNA-binding domain. Contains 1 POU-specific domain.
<b>Cellular localization</b>	Nucleus.

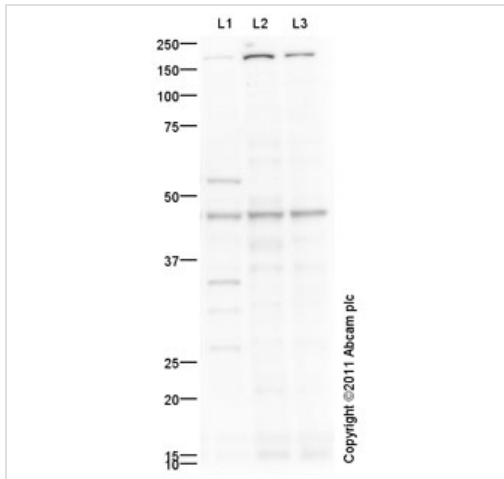
## Images



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.

Immunocytochemistry/ Immunofluorescence - Anti-Brn-2 antibody (ab94977)

This image is courtesy of an anonymous Abreview



Western blot - Anti-Brn-2 antibody (ab94977)

**All lanes** : Anti-Brn-2 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

**All lanes** : 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

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