

Product datasheet

Anti-BRN3B / POU4F2 antibody ab235268

3 Images

Overview

Product name	Anti-BRN3B / POU4F2 antibody
Description	Goat polyclonal to BRN3B / POU4F2
Host species	Goat
Tested applications	Suitable for: IHC-P, WB, ICC/IF
Species reactivity	Reacts with: Mouse, Rat
Immunogen	Synthetic peptide. This information is considered to be commercially sensitive.
Positive control	WB: Rat pup PND2-6 – minimal cortex brain lysate. IHC-P: Mouse testis tissue. ICC/IF: Post-natal rat pup (PND1) heterogeneous brain cells.

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 long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium azide Constituent: PBS
Purity	Affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab235268** in the following tested applications.

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

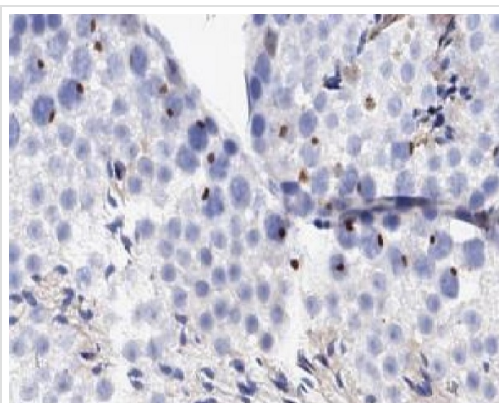
Application	Abreviews	Notes
IHC-P		1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/1000. Predicted molecular weight: 43 kDa.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 5 µg/ml.

Target

Function	Transcription factor. May play a role in determining or maintaining the identities of a small subset of visual system neurons.
Tissue specificity	Brain. Seems to be specific to the retina.
Sequence similarities	Belongs to the POU transcription factor family. Class-4 subfamily. Contains 1 homeobox DNA-binding domain. Contains 1 POU-specific domain.
Cellular localization	Nucleus speckle.

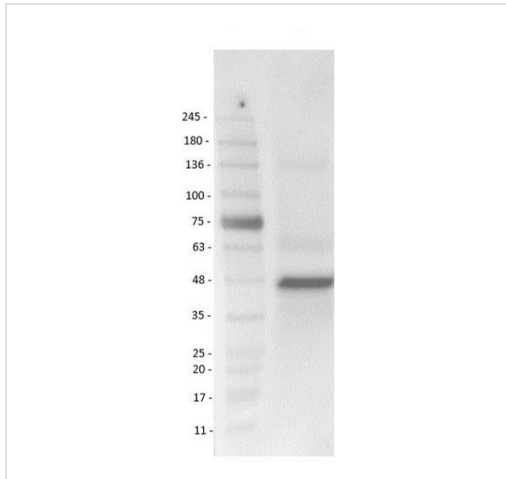
Images



Immunohistochemical analysis of paraffin-embedded mouse testis tissue labeling BRN3B / POU4F2 with ab235268 at 1/100 dilution (30 minutes at RT), followed by Donkey anti-Goat (HRP) (4µl/ml, 20 minutes at RT). Primary staining is DAB. Counterstained with hematoxylin.

Perform heat mediated antigen retrieval using citrate buffer for 20 minutes.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BRN3B / POU4F2 antibody (ab235268)

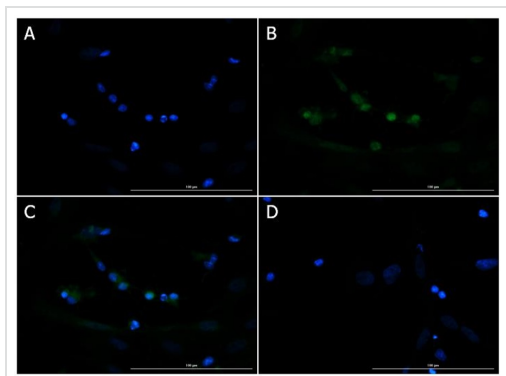


Western blot - Anti-BRN3B / POU4F2 antibody (ab235268)

Anti-BRN3B / POU4F2 antibody (ab235268) at 1/1000 dilution + Rat pup PND2-6 – minimal cortex brain lysate at 35 µg

Predicted band size: 43 kDa

Exposure time: 12 seconds



Immunocytochemistry/ Immunofluorescence - Anti-BRN3B / POU4F2 antibody (ab235268)

Immunofluorescent analysis of 4% PFA-fixed, 0.3% Triton X-100 permeabilized Post-natal rat pup (PND1) heterogeneous brain cells labeling BRN3B / POU4F2 with ab235268 at 5 µg/ml (Overnight at 4°C), followed by a Donkey anti-Goat IgG DyLight™488 conjugated preadsorbed secondary antibody at 15 µg/ml (1 hour at RT) (green). Expected localization: Nuclear, nuclear speckle. The nuclear counterstain is DAPI (blue).

Panel A: DAPI.

Panel B: ab235268 + secondary antibody.

Panel C: Merge of panel A and B.

Panel D: Secondary only.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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