



## Rabbit Anti-BRN3B antibody

SL6985R

<b>Product Name:</b>	BRN3B
<b>Chinese Name:</b>	脑特定蛋白Brn3B抗体
<b>Alias:</b>	BRN3B; class 4; transcription factor 2; Brain specific homeobox/POU domain protein 3B; Brain-3B; Brain-specific homeobox/POU domain protein 3B; Brn-3B; BRN3.2; Brn3b POU domain transcription factor; PO4F2_HUMAN; POU class 4 homeobox 2; POU domain; POU domain class 4 transcription factor 2; POU domain protein; POU4F2.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-F=1:400-800Flow-Cyt=1μg /TestIF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	41kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human BRN3B/POU4F2:301-400/409
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The Brn family of transcription factors are found in a highly restricted subset of neurons and are critical to the early embryonic development of the central nervous system. Brn-1 and Brn-2 are class III POU (Pit-Oct-Unc) domain proteins, whereas Brn-3 is a class IV

POU domain protein. Three Brn-3 proteins have been described and are designated Brn-3a, Brn-3b and Brn-3c. While Brn-3a and Brn-3c stimulate transcription, Brn-3b generally functions as a transcriptional repressor. However, Brn-3b, but not Brn-3a, has been shown to regulate the expression of the acetylcholine receptor. Interestingly, Brn-3a has two functional transactivating domains, one at the amino-terminus and one at the carboxy-terminus. Brn-2 is thought to be involved in smooth muscle cell development and differentiation.

**Function:**

Transcription factor. May play a role in determining or maintaining the identities of a small subset of visual system neurons.

**Subcellular Location:**

Nucleus speckle.

**Tissue Specificity:**

Brain. Seems to be specific to the retina.

**Similarity:**

Belongs to the POU transcription factor family. Class-4 subfamily.

Contains 1 homeobox DNA-binding domain.

Contains 1 POU-specific domain.

**SWISS:**

Q12837

**Gene ID:**

5458

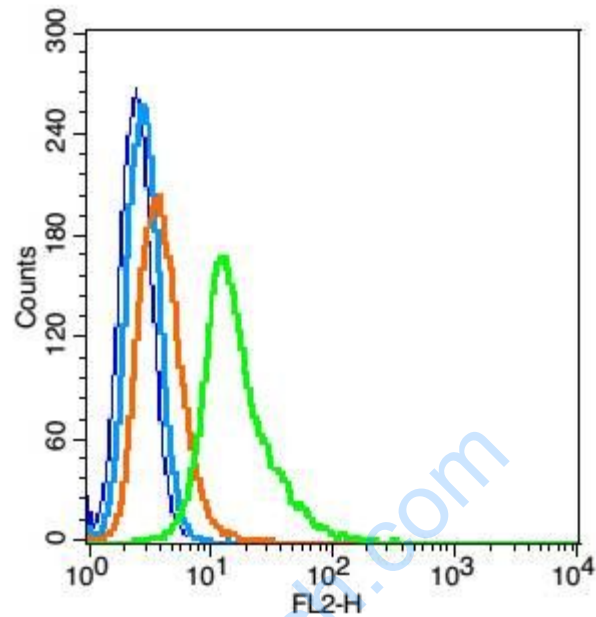
**Database links:**

UniProtKB/Swiss-Prot: Q12837.2

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Blank control: RSC96(fixed with 2% paraformaldehyde (10 min) and then permeabilized with ice-cold 90% methanol for 30 min on ice).

Primary Antibody:Rabbit Anti-BRN3B antibody(SL6985R), Dilution: 1 $\mu$ g in 100  $\mu$ L 1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions );

Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.