



# Brn-3a Polyclonal Antibody

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <b>Catalog No</b>                  | YP-Ab-15749                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Reactivity</b>                  | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Applications</b>                | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Gene Name</b>                   | POU4F1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Immunogen</b>                   | The antiserum was produced against synthesized peptide derived from human POU4F1. AA range:311-360                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Specificity</b>                 | Brn-3a Polyclonal Antibody detects endogenous levels of Brn-3a protein.                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Dilution</b>                    | Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>                    | Brain specific homeobox/POU domain protein 3A;Brain-3A;Brain-specific homeobox/POU domain protein 3A;Brn 3.;BRN 3A;Brn-3A;Brn3;BRN3A;class 4; FLJ13449;Homeobox/POU domain protein RDC 1;Homeobox/POU domain protein RDC-1;Homeobox/POU domain protein RDC1;Oct T1;Oct-T1;OctT1; PO4F1_HUMAN;POU class 4 homeobox 1;POU domain;POU Domain Class 4 Transcription Factor 1;Pou4f1;RDC 1;RDC1;transcription factor 1                                                                      |
| <b>Observed Band</b>               | 42kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Calculated Molecular Weight</b> | 42kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Cell Pathway</b>                | Nucleus . Cytoplasm .                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Tissue Specificity</b>          | Expressed in the brain and the retina. Present in the developing brain, spinal cord and eye.                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Function</b>                    | developmental stage:Expression peaks early in embryogenesis (day 13.5) and is undetectable 14 days after birth.;function:Probable transcription factor which may play a role in the regulation of specific gene expression within a subset of neuronal lineages. May play a role in determining or maintaining the identities of a small subset of visual system neurons.;similarity:Belongs to the POU transcription factor family. Class-4 subfamily.;similarity:Contains 1 homeobox |



DNA-binding domain.,similarity:Contains 1 POU-specific domain.,tissue specificity:Brain. Seems to be specific to the retina. Present in the developing brain, spinal cord and eye.,

#### Background

This gene encodes a member of the POU-IV class of neural transcription factors. This protein is expressed in a subset of retinal ganglion cells and may be involved in the developing sensory nervous system. This protein may also promote the growth of cervical tumors. A translocation of this gene is associated with some adult acute myeloid leukemias. [provided by RefSeq, Mar 2012],

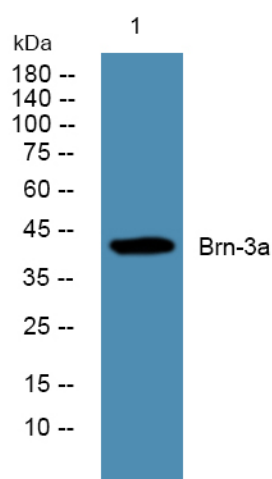
#### matters needing attention

Avoid repeated freezing and thawing!

#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

### Products Images



Western blot analysis of lysates from SW480 cells, primary antibody was diluted at 1:1000, 4° over night