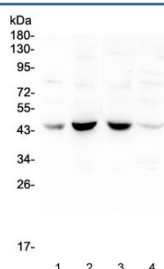


## BRN3A Antibody (RQ4600)

Catalog No.	Formulation	Size
RQ4600	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	Q01851
<b>Applications</b>	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml (human recombinant protein)
<b>Limitations</b>	This BRN3A antibody is available for research use only.



Western blot testing of human 1) placenta, 2) Caco-2, 3) A549 and 4) HeLa lysate with BRN3A antibody at 0.5ug/ml. Predicted molecular weight ~43 kDa.

## Description

POU domain, class 4, transcription factor 1 (POU4F1), also known as brain-specific homeobox/POU domain protein 3A (BRN3A), homeobox/POU domain protein RDC-1 or Oct-T1, is a protein that in humans is encoded by the POU4F1 gene. It is mapped to 13q31.1. 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.

## Application Notes

Optimal dilution of the BRN3A antibody should be determined by the researcher.

## Immunogen

Amino acids R311-Y419 from the human protein were used as the immunogen for the BRN3A antibody.

## Storage

After reconstitution, the BRN3A antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.