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Datasheet for ABIN2777231

## anti-POU3F2 antibody (Middle Region)

### 3 Images

#### Overview

Quantity:	100 µL
Target:	POU3F2
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Cow, Dog, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POU3F2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

#### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human POU3F2
Sequence:	LGAGGQPAGL HHHGLRDAHD EPHHADHHPH PHSHPHQPP PPPPPQGPPG
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Human: 100%, Mouse: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against POU3F2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

#### Target Details

Target:	POU3F2
Alternative Name:	POU3F2 ( <a href="#">POU3F2 Products</a> )

## Target Details

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**Background:** N-Oct-3 (POU3F2) is a protein belonging to a large family of transcription factors that bind to the octameric DNA sequence ATGCAAAT. Most of these proteins share a highly homologous region, referred to as the POU domain, which occurs in several mammalian transcription factors, including the octamer-binding proteins Oct1 (POU2F1) and Oct2 (POU2F2), and the pituitary protein Pit1 (PIT1). Class III POU genes are expressed predominantly in the CNS. It is likely that CNS-specific transcription factors such as these play an important role in mammalian neurogenesis by regulating their diverse patterns of gene expression.

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Alias Symbols: BRN2, OCT7, OTF7, POUF3, OTF-7, brn-2, oct-7

Protein Interaction Partner: UBC, TBP, SOX10, POU3F2, PAX3, GTF2B, EP300, SOX11, PQBP1, POU3F4,

Protein Size: 443

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Molecular Weight: 47 kDa

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Gene ID: 5454

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NCBI Accession: [NM\\_005604](#), [NP\\_005595](#)

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UniProt: [P20265](#)

## Application Details

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**Application Notes:** Optimal working dilutions should be determined experimentally by the investigator.

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**Comment:** Antigen size: 443 AA

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** Lot specific

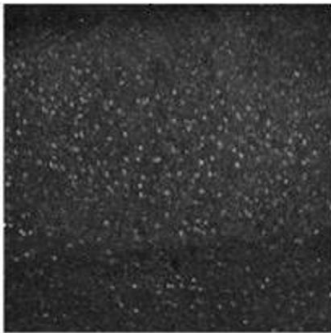
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## Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Validation report #102749 for Immunohistochemistry (IHC)

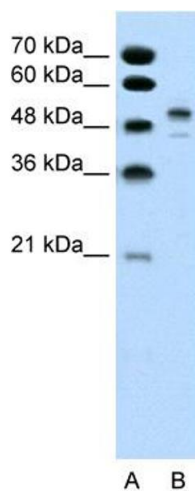
### Pou3f2



### Immunohistochemistry

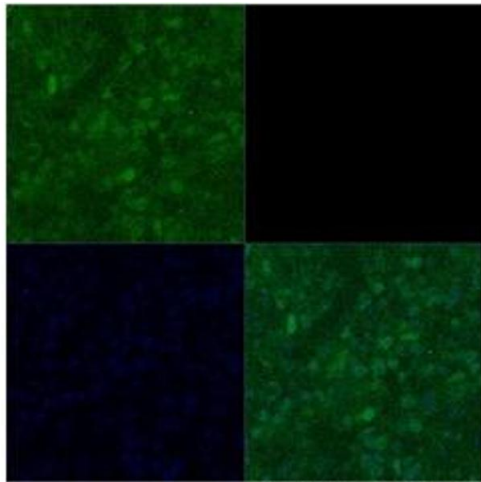
**Image 1.** Sample Type : Mouse adult cortex Primary Antibody Dilution : 1:1000 Secondary Antibody : Donkey anti rabbit IgG Alexa 594 Secondary Antibody Dilution : 1:1000 Gene Name : POU3F2 Submitted by : Dr. Jin Hee Lee, Ph.D., Winthrop-University Hospital

See IHC 2 Data and Customer Feedback for more information



### Western Blotting

**Image 2.** WB Suggested Anti-POU3F2 Antibody Titration: 0.5ug/ml ELISA Titer: 1:12500 Positive Control: Jurkat cell lysate



### Immunohistochemistry

**Image 3.** Primary Metastatic Melenoma Speciman Primary antibody dilution: 1:1000