

## **Product datasheet for TA330100**

## **POU3F2 Rabbit Polyclonal Antibody**

**Product data:** 

**Product Type:** Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human

**Host:** Rabbit

**Isotype:** IgG

Clonality: Polyclonal

**Immunogen:** The immunogen for anti-POU3F2 antibody: synthetic peptide directed towards the C terminal

of human POU3F2. Synthetic peptide located within the following region: QLEKEVVRVWFCNRRQKEKRMTPPGGTLPGAEDVYGGSRDTPPHHGVQTP

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Conjugation: Unconjugated

**Storage:** Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

**Predicted Protein Size:** 47 kDa

Gene Name: POU class 3 homeobox 2

Database Link: NP 005595

Entrez Gene 5454 Human

P20265



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Background:

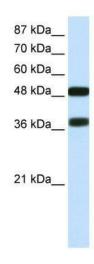
N-Oct-3 (POU3F2) is a protein belonging to a large family of transcription factors that bind to the octameric DNA sequence ATGCAAAT. Most of these proteins share a highly homologous region, referred to as the POU domain, which occurs in several mammalian transcription factors, including the octamer-binding 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. N-Oct-3 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; MIM 164175) and Oct2 (POU2F2; MIM 164176), and the pituitary protein Pit1 (PIT1; MIM 173110). 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. [supplied by OMIM]

Synonyms: brn-2; BRN2; N-Oct3; oct-7; OCT7; OTF-7; POUF3

Note: Immunogen sequence homology: Bovine: 100%; Human: 100%; Pig: 100%; Rat: 100%

**Protein Families:** Transcription Factors

## **Product images:**



WB Suggested Anti-POU3F2 Antibody Titration: 0.2-1 ug/ml; Positive Control: Transfected 293T