# POU3F2 polyclonal antibody

Catalog # PAB25679 Size 100 ug

## Applications



#### Western Blot (Cell lysate)

Western blot analysis of POU3F2 in NIH/3T3 cell lysate with POU3F2 polyclonal antibody (Cat # PAB25679) at (1) 1 and (2) 2 ug/mL.

Specification	
Product Description	Rabbit polyclonal antibody raised against synthetic peptide of POU3F2.
Immunogen	A synthetic peptide corresponding to 18 amino acids at C-terminus of human POU3F2.
Host	Rabbit
Theoretical MW (kDa)	49
Reactivity	Human, Mouse, Rat
Specificity	At least two isoforms are known to exist. This antibody will recognize both isoforms. POU3F2 antibo dy is predicted to not cross-react with other members of the POU domain class 3 family.
Form	Liquid
Purification	Peptide affinity purification
Concentration	1 mg/mL
lsotype	lgG



#### **Product Information**

Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

## Applications

• Western Blot (Cell lysate)

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• Enzyme-linked Immunoabsorbent Assay

Gene Info — POU3F2	
Entrez GenelD	<u>5454</u>
Protein Accession#	<u>NP_005595</u>
Gene Name	POU3F2
Gene Alias	BRN2, OCT7, OTF7, POUF3
Gene Description	POU class 3 homeobox 2
Omim ID	<u>600494</u>
Gene Ontology	Hyperlink
Gene Summary	POU3F2 belongs to a large family of transcription factors that bind to the octameric DNA sequenc e ATGCAAAT. Most of these proteins share a highly homologous region, referred to as the POU domain, that occurs in several mammalian transcription factors, including the octamer-binding pro teins Oct1 (POU2F1; MIM 164175) and Oct2 (POU2F2; MIM 164176) and the pituitary protein Pit 1 (PIT1; MIM 173110). Class III POU genes are expressed predominantly in the central nervous sy stem (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 (Schreiber et al., 1993 [PubMed 8441633]; Atanasoski et al., 1995 [PubMed 7601453]).[supplied by OMIM
Other Designations	POU domain, class 3, transcription factor 2



### Disease

- Huntington disease
- Schizophrenia