

POU3F2 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant POU3F2.****Catalog # AT3385a****Specification**

POU3F2 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	P20265
Other Accession	NM_005604
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	46893

POU3F2 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 5454**Other Names**

POU domain, class 3, transcription factor 2, Brain-specific homeobox/POU domain protein 2, Brain-2, Brn-2, Nervous system-specific octamer-binding transcription factor N-Oct-3, Octamer-binding protein 7, Oct-7, Octamer-binding transcription factor 7, OTF-7, POU3F2, BRN2, OCT7, OTF7

Target/Specificity

POU3F2 (NP_005595, 1 a.a. ~ 67 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 kDa.

Dilution

WB ~ ~ 1:500 ~ 1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

POU3F2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

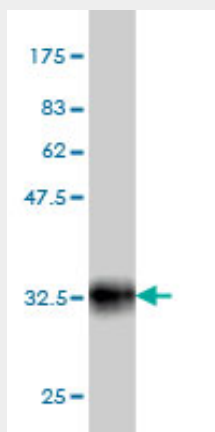
POU3F2 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

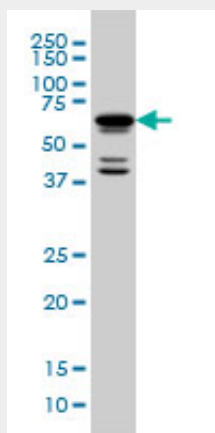
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

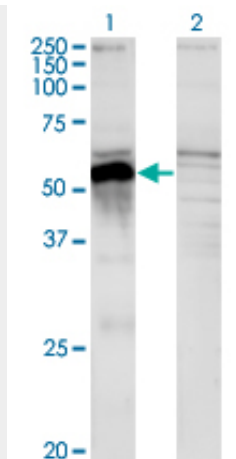
POU3F2 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (33.11 KDa) .



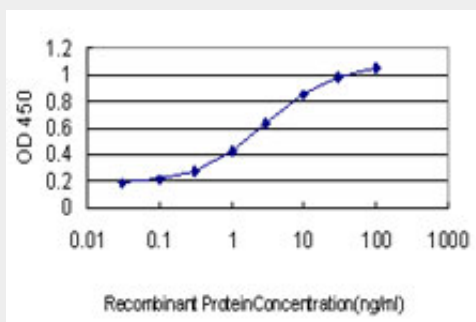
POU3F2 monoclonal antibody (M01), clone 6F6. Western Blot analysis of POU3F2 expression in Hela S3 NE ((Cat # AT3385a)



Western Blot analysis of POU3F2 expression in transfected 293T cell line by POU3F2 monoclonal antibody (M01), clone 6F6.

Lane 1: POU3F2 transfected lysate(46.9 KDa).

Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged POU3F2 is approximately 0.1ng/ml as a capture antibody.

POU3F2 Antibody (monoclonal) (M01) - Background

POU3F2 belongs 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, that 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 central nervous system (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]).

POU3F2 Antibody (monoclonal) (M01) - References

1. Allele-specific silencing of mutant huntingtin and ataxin-3 genes by targeting expanded CAG repeats in mRNAs. Hu J, Matsui M, Gagnon KT, Schwartz JC, Gabillet S, Arar K, Wu J, Bezprozvanny I, Corey DR. Nat Biotechnol. 2009 May;27(5):478-84. Epub 2009 May 3.