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POU3F2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant POU3F2.
Catalog # AT3385a

Product Information

Application	WB, E
Primary Accession	P20265
Other Accession	NM_005604
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	6F6
Calculated MW	46893

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 E~~N/A
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.

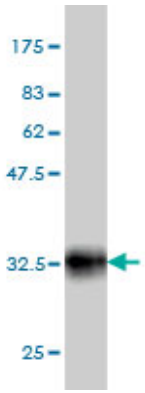
Background

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]).

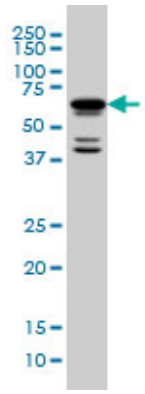
References

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.

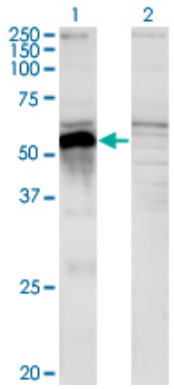
Images



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

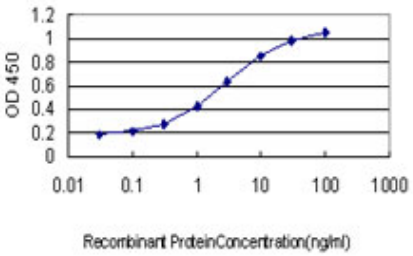


POU3F2 monoclonal antibody (M01), clone 6F6. Western Blot analysis of POU3F2 expression in Hela S3 NE ((Cat # AT3385a)



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.