

DATASHEET

POU3F2 Mouse Monoclonal Antibody(C2914)

CAT. NO. AMA02526

KEY FEATURES

Target	POU3F2	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Transcription factor that plays a key role in neuronal differentiation . Binds preferentially to the recognition sequence which consists of two distinct half-sites, ('GCAT') and ('TAAT'), separated by a non-conserved spacer region of 0, 2, or 3 nucleotides . Acts as a transcriptional activator when binding cooperatively with SOX4, SOX11, or SOX12 to gene promoters . The combination of three transcription factors, ASCL1, POU3F2/BRN2 and MYT1L, is sufficient to reprogram fibroblasts and other somatic cells into induced neuronal (iN) cells in vitro . Acts downstream of ASCL1, accessing chromatin that has been opened by ASCL1, and promotes transcription of neuronal genes .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

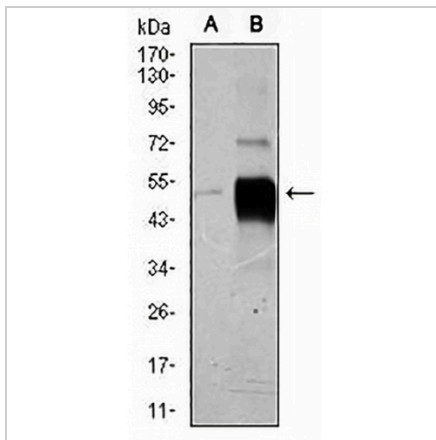
Description	Mouse monoclonal to POU3F2
Specificity	Recognizes endogenous levels of POU3F2 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human POU3F2 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 47 kD; Observed: 50 kD kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	BRN2; OCT7; OTF7; 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
Gene Symbol	POU3F2
Entrez Gene	5454(Human)
SwissProt	P20265(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of POU3F2 expression in HeLa (A), SKNSH (B) whole cell lysates.
(Predicted band size: 47 kD; Observed band size: 50 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.