

Datasheet for ABIN1539828

anti-OCT4 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	0.1 mL
Target:	OCT4 (POU5F1)
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This OCT4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This POU5F1 monoclonal antibody is generated from mouse immunized with POU5F1 recombinant protein.
Clone:	341CT7-6-2
Isotype:	IgM
Purification:	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

Target Details

Target:	OCT4 (POU5F1)
Alternative Name:	POU5F1 (POU5F1 Products)
Background:	This gene encodes a transcription factor containing a POU homeodomain. This transcription factor plays a role in embryonic development, especially during early embryogenesis, and it is necessary for embryonic stem cell pluripotency. A translocation of this gene with the Ewing's

Target Details

sarcoma gene, t(6,22)(p21,q12), has been linked to tumor formation. Alternative splicing, as well as usage of alternative translation initiation codons, results in multiple isoforms, one of which initiates at a non-AUG (CUG) start codon. Related pseudogenes have been identified on chromosomes 1, 3, 8, 10, and 12.

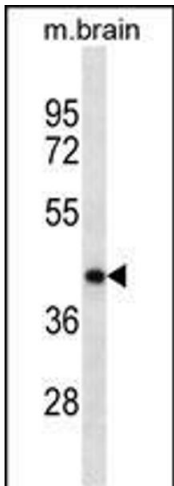
Molecular Weight:	38571
Gene ID:	5460
NCBI Accession:	NP_002692
UniProt:	Q01860
Pathways:	Stem Cell Maintenance

Application Details

Application Notes:	WB: 1:500~4000. WB: 1:500~4000
Restrictions:	For Research Use only

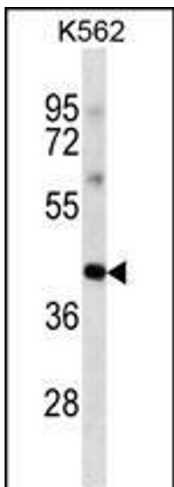
Handling

Format:	Liquid
Buffer:	Mouse monoclonal antibody supplied in crude ascites with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	POU5F1 Antibody (Ascites) can be refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Western Blotting

Image 1. POU5F1 Antibody ABIN1539828 western blot analysis in mouse brain tissue lysates (35 µg/lane). This demonstrates the POU5F1 antibody detected the POU5F1 protein (arrow).



Western Blotting

Image 2. POU5F1 Antibody ABIN1539828 western blot analysis in K562 cell line lysates (35 µg/lane). This demonstrates the POU5F1 antibody detected the POU5F1 protein (arrow).