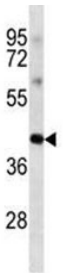
Anti-Oct4 Antibody [clone 341CT7.6.2] (F53585)

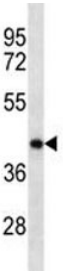
Catalog No.	Formulation	Size
F53585-0.1ML	In ascites with 0.09% sodium azide	0.1 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Ascites
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgM
Clone Name	341CT7.6.2
Purity	Ascites
UniProt	Q01860
Applications	Western blot: 1:500-1:4000
Limitations	This anti-Oct4 antibody is available for research use only.



Anti-Oct4 antibody western blot analysis in K562 lysate. Predicted molecular weight ~38/30kDa (isoform A/B), commonly observed at 38-45 kDa.



Anti-Oct4 antibody western blot analysis in mouse brain tissue lysate

Description

This gene encodes POU5F1/Oct-4/OCT4, 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 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.

Application Notes

Titration of the anti-Oct4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This anti-Oct4 antibody is generated from mouse immunized with POU5F1/OCT4 recombinant protein.

Storage

Aliquot the anti-Oct4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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