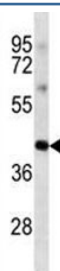


## Anti-Oct4 Antibody [clone 341CT7.6.2] (F53585)

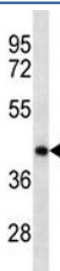
Catalog No.	Formulation	Size
F53585-0.1ML	In ascites with 0.09% sodium azide	0.1 ml

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse
<b>Format</b>	Ascites
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgM
<b>Clone Name</b>	341CT7.6.2
<b>Purity</b>	Ascites
<b>UniProt</b>	Q01860
<b>Applications</b>	Western Blot : 1:500-1:4000
<b>Limitations</b>	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.