

Cat. No:	AB-84337
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	POU class 5 homeobox 1
Reactivity:	Hu,Ms,Rt
Applications:	Western Blot: 1:500 - 1:2000 Immunohistochemistry: 1:50 - 1:200 Immunofluorescence: 1:50 - 1:200
Molecular Weight:	50kDa
Purification:	Aff. Pur. ≥95% as determined by SDS-PAGE
Synonyms:	Oct 3, Oct 4, OCT3, OCT3/4, OCT4, Octamer binding protein 3, Octamer binding protein 4, OTF 3, OTF3, OTF4, POU class 5 homeobox 1, POU5F1
Background:	<p>This gene encodes a transcription factor containing a POU homeodomain that plays a key role in embryonic development and stem cell pluripotency. Aberrant expression of this gene in adult tissues is associated with tumorigenesis. This gene can participate in a translocation with the Ewing's sarcoma gene on chromosome 21, which also leads to tumor formation. Alternative splicing, as well as usage of alternative AUG and non-AUG translation initiation codons, results in multiple isoforms. One of the AUG start codons is polymorphic in human populations. Related pseudogenes have been identified on chromosomes 1, 3, 8, 10, and 12.</p>
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3
Storage:	T -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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