

Oct-4 Antibody

Cat. No.:	HY-P80770
Synonyms:	Oct-4 Antibody is a non-conjugated and Rabbit originated polyclonal antibody about 39 kDa, targeting to POU5F1. It can be used for WB,IHC-P,ICC/IF,IP,ChIP assays with tag free, in the background of Human, Mouse.
Host:	Rabbit
Reactivity:	Human,Mouse
Conjugation:	Non-conjugated
SwissProt ID:	Q01860
Research Field:	Epigenetics and Nuclear Signaling
Molecular Weight:	Predicted band size: 39 kDa;Observed band size: 45 kDa

PROPERTIES

Formulation	Supplied in phosphate buffered saline (pH 7.4), 150 mM NaCl and 50% glycerol. Preservative: 0.02% sodium azide	
Purity	affinity purified	
Storage & Stability	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.	
Appearance	Liquid	
Application & Dilution Ratio	Application	Dilution Ratio
	WB	1:500-1:1,000
	IHC	1:50-1:100
	IF	1:50-1:200
	IP	1:20
	ChIP	1:20
Shipping	Shipping with blue ice.	

DESCRIPTION

Background	POU5F1: 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. [provided by RefSeq, Oct 2013]
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Caution: Product has not been fully validated for medical applications. For research use only.

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