

Oct-4 Antibody (YA837)

Cat. No.:	HY-P80440
Synonyms:	Oct-4 Antibody is a non-conjugated and Mouse originated monoclonal antibody about 39 kDa, targeting to POU5F1. It can be used for WB, ICC assays with tag free, in the background of Human, Mouse.
Host:	Mouse
Reactivity:	Human, Mouse
Conjugation:	Non-conjugated
SwissProt ID:	SwissProt: Q01860 Human
Research Field:	Epigenetics and Nuclear Signaling
Molecular Weight:	Predicted band size: 39 kDa

PROPERTIES

Formulation	Supplied in 1*PBS (pH7.4), 0.2% BSA and 40% Glycerol. Preservative: 0.05% Sodium Azide.	
Purity	Protein A 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	1:1,000-1:5,000
	ICC	1:200
Shipping	Shipping with blue ice.	

DESCRIPTION

Background	<p>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]</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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