

Recombinant

DGRmAb®

## Oct-4 (DGR14197) Rabbit mAb (PBS Only)

db15392-PBS

Package : 100µg

**Product Name** : Oct-4 (DGR14197) Rabbit mAb (PBS Only)**Cat.No.:** db15392-PBS**Synonyms** : OCT3; OCT4; OTF3; OTF4; OTF-3; Oct-3; Oct-4**Application** : WB, IHC-P, IP**Reactivity** : Human**Host species** : Rabbit**Background**

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]

**Immunogen**

A synthetic peptide of human Oct4

**Gene ID**

5460

**Swiss Prot**

Q01860

**Synonyms**

OCT3; OCT4; OTF3; OTF4; OTF-3; Oct-3; Oct-4

**Reactivity**

Human

**Application**

WB, IHC-P, IP

**Recommended dilution**

WB: 1:1000-1:5000

IHC-P: 1:200-1:1000

IP: 1:10-1:100

**Calculated MW**

39 kDa

**Observed MW**

45 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

**Clonality No.**

DGR14197

<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Concentration</b>	1 mg/ml
<b>Formulation</b>	PBS Only
<b>Storage Stability</b>	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.