

Recombinant

DGRmAb®

**Oct-4 (DGR31462) Rabbit mAb**

db13768

Package : 10µL 20µL 50µL 100µL

**Product Name** : Oct-4 (DGR31462) Rabbit mAb**Cat.No.:** db13768**Synonyms** : OCT3; OCT4; OTF3; OTF4; OTF-3; Oct-3; Oct-4**Application** : WB, IHC, ICC/IF, FC, IP**Reactivity** : Human, Mouse**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**

Recombinant protein of human Oct4

**Gene ID**

5460

**Swiss Prot**

Q01860

**Synonyms**

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

**Reactivity**

Human, Mouse

**Application**

WB, IHC, ICC/IF, FC, IP

**Recommended dilution**

WB: 1:2000

IHC: 1:100

ICC/IF: 1:100

FC: 1:20

IP: 1:20

**Calculated MW**

39 kDa

**Observed MW**

45 kDa

**Host species**

Rabbit

<b>Clonality</b>	Monoclonal
<b>Clonality No.</b>	DGR31462
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Storage Stability</b>	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.