

Recombinant

Oct3/4 (BP6164) Rabbit mAb

db30144

Package : 100μL

Product Name : Oct3/4 (BP6164) Rabbit mAb**Cat.No.:** db30144**Synonyms :** OCT3; OCT4; OTF3; OTF4; OTF-3; Oct-3; Oct-4**Application :** IHC**Reactivity :** Human**Host species :** Rabbit**Background**

OCT-4, also known as OTF3 or POU5F1, is a member of the POU family of transcription factors, involved in the regulation of pluripotency during normal development and is detectable in embryonic stem and germ cells. It can specifically bind to the octamer motif (5'-ATTTTCAT-3'), and it is critical for the self-renewal of embryonic stem cells. OCT-4 is a key regulator of self-renewal in embryonic stem cells; its expression is potentially correlated with tumorigenesis and can affect some aspects of tumor behavior such as tumor recurrence or resistance to therapies. OCT-4 is a sensitive and specific marker for germ cell tumors.

Immunogen

Synthetic peptide corresponding to residues in Human Oct-3/4 was used as an immunogen

Swiss Prot

Q01860

Synonyms

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

Reactivity

Human

Application

IHC

Recommended dilution

IHC: 1:100-1:200

Calculated MW

38.5 kDa

Host species

Rabbit

Clonality

Monoclonal

Clonality No.

BP6164

Isotype

IgG

Purity

Affinity Purification

Conjugation

Un-conjugated

Storage Stability

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.