

Product Datasheet

Oct4 Antibody

Catalog No: CY5781

Reactivity: Human Mouse

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF IP ChIP



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Information

UniProt ID: Q01860

All Names: Octamer binding protein 3; Octamer binding protein 4; OCT3; OCT4; OTF3; OTF4; OTF-3; Oct-3; Oct-4; POU5F1;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 45 kDa

Application

WB 1:500~1:1000

IHC 1:50~1:200

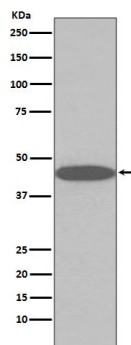
ICC/IF 1:50~1:200

IP 1:50

ChIP

Background

Oct-4 is a transcription factor highly expressed in undifferentiated embryonic stem cells and embryonic germ cells. Forms a trimeric complex with SOX2 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206. Critical for early embryogenesis and for embryonic stem cell pluripotency.



Western blot analysis of Oct4 expression in NCCIT cell lysate.

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