

bsm-52002R**[Primary Antibody]**

www.bioss.com.cn

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400-901-9800

Oct4 Recombinant Rabbit mAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:500-4000) IHC-F (1:500-4000) IF (1:500-4000) ICC/IF (1:50-200) Reactivity: Human, Mouse (predicted: Rat) Predicted MW.: 39 kDa Subcellular Location: Nucleus
Clonality: Recombinant	CloneNo.: 2D5	
GeneID: 5460	SWISS: Q01860	
Target: Oct4		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: This gene encodes a transcription factor containing a POU homeodomain. This transcription factor plays a role in embryonic development, especially during early embryogenesis, and it is necessary for embryonic stem cell pluripotency. A translocation of this gene with the Ewing's sarcoma gene, t(6;22)(p21;q12), has been linked to tumor formation. Alternative splicing, as well as usage of alternative translation initiation codons, results in multiple isoforms, one of which initiates at a non-AUG (CUG) start codon. Related pseudogenes have been identified on chromosomes 1, 3, 8, 10, and 12. [provided by RefSeq].		

— SELECTED CITATIONS —

- **[IF=2.13]** Jijiong Zhang. et al. CircRNA hsa_circ_0075048 promotes the malignant progression of non-small cell lung cancer by up-regulating HMGB2 expression via targeting miR-1225-5p.. HISTOL HISTOPATHOL. 2022 Nov;;18551-18551 WB ;Human. 36416408