



Rabbit Anti-Oct-4B/OCT4B-190 antibody

SL3816R

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| Product Name: | Oct-4B/OCT4B-190 |
| Chinese Name: | 胚胎Stem cells关键蛋白190抗体(N端) |
| Alias: | Oct-4B; Oct4B; Oct 4B; Oct 4B-190; Oct4B-190; POU domain, class 5, transcription factor 1; Octamer-binding transcription factor 3; Oct-3; NF-A3; Otf-3; Otf3; POU5F1. |
| 文献引用 PubMed : | <p>Specific References(4) SL3816R has been referenced in 4 publications.</p> <p>[IF=2.15]Liu, Yu-Hong, et al. "A signature for induced pluripotent stem cell?Cassociated genes in colorectal cancer."Medical Oncology 30.1 (2013): 1-11.eWB;Human. PubMed:23307247</p> <p>[IF=1.29]Darabi, Shahram, et al. "Polarized neural stem cells derived from adult bone marrow stromal cells develop a rosette-like structure." In Vitro Cellular & Developmental Biology-Animal (2013): 1-15.IF(ICC);Rat. PubMed:23771792</p> <p>[IF=1.45]Tanabe, A., et al. "Radioresistance of cancer stem-like cell derived from canine tumours." Veterinary and Comparative Oncology (2014).WB;Dog. PubMed:25070729</p> <p>[IF=1.58]Liu, Lu, et al. "OCT4B1 Regulates the Cellular Stress Response of Human Dental Pulp Cells with Inflammation." BioMed Research International 2017 (2017).WB;Human. PubMed:0</p> |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Dog,Pig,Cow, |

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| Applications: | ELISA=1:500-1000Flow-Cyt=1µg /Test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 21/39kDa |
| Cellular localization: | The nucleus |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human OCT4B-190:201-300/360 |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| PubMed: | PubMed |
| Product Detail: | <p>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].</p> <p>SWISS: Q01860</p> <p>Gene ID: 5460</p> <p>Database links:</p> <p>Entrez Gene: 5460Human</p> <p>Entrez Gene: 18999Mouse</p> <p>Entrez Gene: 294562Rat</p> <p>Omim: 164177Human</p> <p>SwissProt: Q01860Human</p> <p>SwissProt: P20263Mouse</p> <p>Unigene: 249184Human</p> |

[Unigene: 632482](#)Human

[Unigene: 646545](#)Human

[Unigene: 17031](#)Mouse

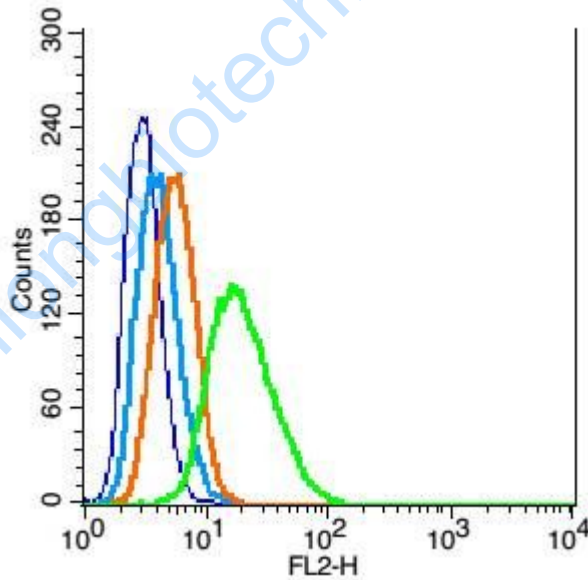
[Unigene: 161748](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

OCT4B-190蛋白能够增强细胞在应激条件下抵抗凋亡的能力。OCT4基因在Stem cells的增殖、分化、应激反应、凋亡过程等多个生物学过程中发挥着重要的作用。

Picture:



Blank control: RSC96(blue), the cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with ice-cold 90% methanol for 30 min on ice.

Isotype Control Antibody: Rabbit IgG(orange) ; Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA ;

Primary Antibody Dilution: 1 μ g in 100 μ L1X PBS containing 0.5% BSA(green).