

Nur für Forschungszwecke

OCT4 Monoklonaler Antikörper

Katalog-Nr.:HRP-60242



Allgemeine Informationen

Katalog-Nr.: HRP-60242	GenBank-Zugangsnummer: BC020712	Reinigungsmethode: Protein-G-Reinigung
Größe: 100ul , Konzentration: 1000 µg/ml von5460 Nanodrop;	GeneID (NCBI): POU class 5 homeobox 1	CloneNo.: 1C4B6
Wirt: Maus	Vollständiger Name: POU class 5 homeobox 1	Empfohlene Verdünnungen: WB 1:5000-1:50000
Isotyp: IgG1	Berechnete Masse: 39 kDa	
Immunogen Katalognummer: AG1794	Beobachtete Masse: 50-52 kDa	

Anwendungen

Geprüfte Anwendungen: WB	Positivkontrollen: WB : HEK-293-Zellen, HT-29-Zellen, Maushirngewebe
Getestete Reaktivität: Human	

Hintergrundinformationen

Expression of the OCT4 transcription factor is associated with an undifferentiated phenotype of human and mouse embryonic stem cells and germ cells. OCT4 (Octamer-4) is a homeodomain transcription factor of the POU family (POU5F1) involved in regulation of pluripotency during normal development and is detectable in embryonic stem (ES) and germ cells. Its expression is associated with an undifferentiated phenotype and tumors. In fact, gene knockdown of OCT4 promotes differentiation, thereby demonstrating a role for this factor in human ES cell self-renewal. As such, it is frequently used as a marker for undifferentiated ES cells or iPS (induced pluripotent stem) cells. OCT4 is one of the four key transcription factors (OCT4, SOX2, c-MYC, and KLF4) used to reprogram mouse and human fibroblasts to a pluripotent state as well as generate patient-specific iPS cells. The calculated molecular weight of OCT4 is 38 kDa, but the modified OCT4 protein is about 50 kDa.

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.
Lagerungspuffer:
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

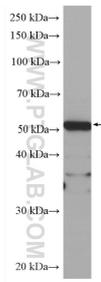
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

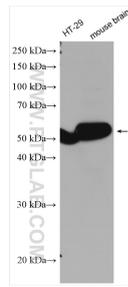
E: proteintech@ptglab.com
W: ptglab.com

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Ausgewählte Validierungsdaten



HEK-293 cells were subjected to SDS PAGE followed by western blot with HRP-60242 (OCT4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with HRP-60242 (OCT4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.