

À des fins de recherche uniquement

Anticorps Monoclonal anti-OCT4

Numéro de catalogue: HRP-60242



Informations de base

Numéro de catalogue:	HRP-60242	Numéro d'acquisition GenBank:	BC020712	Méthode de purification:	Purification par protéine G
Taille:	100ul , Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI):	5460	CloneNo.:	1C4B6
Hôte:	Mouse	Nom complet:	POU class 5 homeobox 1	Dilutions recommandées:	WB 1:5000-1:50000
Isotype:	IgG1	MW calculé:	39 kDa		
Immunogen Catalog Number:	AG1794	MW observés:	50-52 kDa		

Applications

Applications testées:	WB	Contrôles positifs:	WB : cellules HEK-293, cellules HT-29, tissu cérébral de souris
Spécificité de l'espèce:	Humain		

Informations générales

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.

Stockage

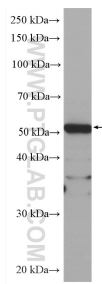
Stockage:
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.
L'aliquotage n'est pas nécessaire pour le stockage à -20C

***** Les 20ul contiennent 0,1% de BSA.**

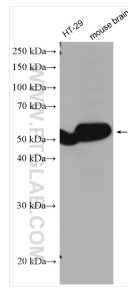
For technical support and original validation data for this product please contact:
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Données de validation sélectionnées



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.