

Oct4 Antibody

Catalog No: #35351

Package Size: #35351 100ul

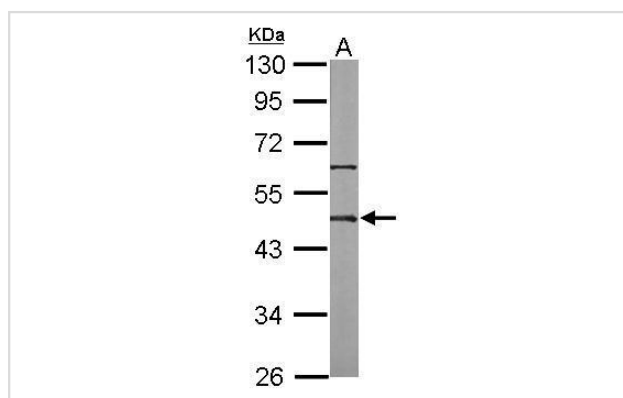
Description

Product Name	Oct4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by antigen-affinity chromatography.
Applications	WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total Oct4 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fragment corresponding to a region within amino acids 101 and 325 of OCT3/4.
Conjugates	Unconjugated
Target Name	Oct4
Other Names	MGC22487 antibody; OTF-3 antibody; OTF3 antibody; OTF4 antibody; POU5F1 antibody; POU-type homeodomain-containing DNA-binding protein antibody; octamer-binding protein 3 antibody; POU domain transcription factor OCT4 antibody; octamer-binding protein 4 an
Accession No.	Swiss-Prot#:Q01860;NCBI Gene#:5460
SDS-PAGE MW	39kd
Concentration	0.48mg/ml
Formulation	Rabbit IgG in 0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Storage	Store at -20°C

Application Details

Western blotting: 1:500-1:3000

Images



Sample (20 ug of whole cell lysate)
A: human ESC
10% SDS PAGE
#35351 diluted at 1:500

KDa

130

95

72

55

43

34

26

A

Sample (30 ug of whole cell lysate)

A: NIH-3T3

10% SDS PAGE

OCT3/4 antibody

#35351 diluted at 1:1000

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]

Published Papers

el at., Exosomal TRIM3 is a novel marker and therapy target for gastric cancer.In J Exp Clin Cancer Res.On 2018 Jul 21 by Fu H, Yang H et al..PMID:30031392, , (2018)

[PMID:30031392](#)

el at., H. pylori infection-induced MSC differentiation into CAFs promotes epithelial-mesenchymal transition in gastric epithelial cells.In Int J Mol Med on 2013 Dec by Zhang Q, Wang M,et al..PMID:24145921, , (2013)

[PMID:24145921](#)

el at., Activation of mesenchymal stem cells by macrophages prompts human gastric cancer growth through NF- κ B pathway.In PLoS One on 2014 May 13 by Tingting Yang , Xu Zhang et al..PMID:24824968, , (2014)

[PMID:24824968](#)

el at., Tumorigenic hybrids between mesenchymal stem cells and gastric cancer cells enhanced cancer proliferation, migration and stemness.In BMC Cancer on 2015 Oct 24 by Jianguo Xue , Yuan Zhu et al..PMID: 26498753, , (2015)

[PMID:26498753](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.