

Oct4 Antibody

Catalog No: #35351



Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

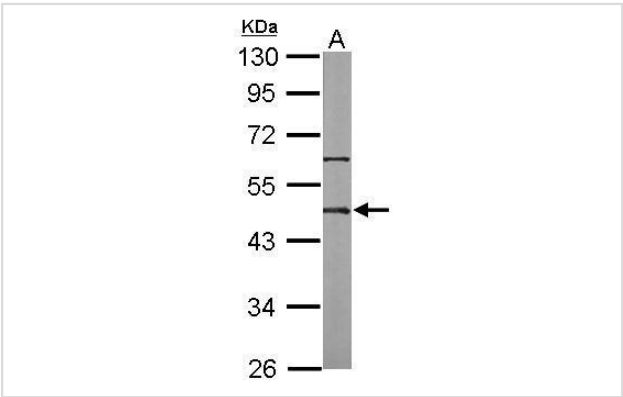
Description

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.
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
Uniprot	Q01860
GeneID	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]

Note: This product is for in vitro research use only