

Oct4 Conjugated Antibody

Catalog No: #C49129



Package Size: #C49129-AF350 100ul #C49129-AF405 100ul #C49129-AF488 100ul

#C49129-AF555 100ul #C49129-AF594 100ul #C49129-AF647 100ul

#C49129-AF680 100ul #C49129-AF750 100ul #C49129-Biotin 100ul

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

Description

Product Name	Oct4 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Octamer binding transcription factor 4 antibody MGC22487 antibody Oct 3 antibody Oct 4 antibody Oct-3 antibody Oct-4 antibody OCT3 antibody Oct4 antibody Octamer binding protein 3 antibody Octamer binding protein 4 antibody Octamer binding transcription factor 3 antibody Octamer-binding protein 3 antibody Octamer-binding protein 4 antibody Octamer-binding transcription factor 3 antibody OTF 3 antibody OTF 4 antibody OTF-3 antibody OTF3 antibody OTF4 antibody PO5F1_HUMAN antibody POU class 5 homeobox 1 antibody POU domain class 5 transcription factor 1 antibody POU domain transcription factor OCT4 antibody POU domain, class 5, transcription factor 1 antibody POU-type homeodomain-containing DNA-binding protein antibody POU5F1 antibody
Accession No.	Swiss-Prot#:Q01860
Uniprot	Q01860
GeneID	5460;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	39 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

POU5F1 (POU domain, class 5, transcription factor 1), also known as octamer-binding transcription factor-3 (Oct-3, OTF3), octamer-binding transcription factor-4 (Oct-4, Otf-4) and Oct-3/4, modulates embryonic stem (ES) cell populations by influencing lineage commitment. Oct-3/4 sustains stem-cell self-renewal and differentiation pathways. Transcription factors containing the POU homeodomain regulate tissue-specific gene expression in lymphoid and pituitary differentiation and in early mammalian development. Oct-3/4 is capable of inducing rapid proliferation and tumorigenic properties of ES cells through activation of the UTF1 gene. In humans, two Oct-3/4 isoforms contribute to influencing the undifferentiated phenotype of ES cells. Oct-3/4 pseudogenes localizing to human chromosomes 10 and 8 are reported to be transcribed in certain cancer cell lines and tissues.

Note: This product is for in vitro research use only