

Oct1 Conjugated Antibody

Catalog No: #C49901



Package Size: #C49901-AF350 100ul #C49901-AF405 100ul #C49901-AF488 100ul
 #C49901-AF555 100ul #C49901-AF594 100ul #C49901-AF647 100ul
 #C49901-AF680 100ul #C49901-AF750 100ul #C49901-Biotin 100ul

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

Description

Product Name	Oct1 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein within human Oct-1 aa 1-150.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	FLJ42836 antibody NF A1 antibody NF-A1 antibody Oct 1 antibody Oct 1B antibody Oct-1 antibody OCT1 antibody Octamer binding protein 1 antibody Octamer binding transcription factor 1 antibody Octamer-binding protein 1 antibody Octamer-binding transcription factor 1 antibody OTF 1 antibody OTF-1 antibody OTF1 antibody OTTHUMP00000032348 antibody OTTHUMP00000032350 antibody OTTHUMP00000032351 antibody PO21 antibody PO2F1 antibody PO2F1_HUMAN antibody POU class 2 homeobox 1 antibody POU domain class 2 transcription factor 1 antibody POU domain, class 2, transcription factor 1 antibody POU2F1 antibody
Accession No.	Swiss-Prot#:P14859
Uniprot	P14859
GeneID	5451;
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	Predicted band size 76 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

POU domain proteins contain a bipartite DNA binding domain divided by a flexible linker that enables them to adopt various monomer configurations on DNA. The versatility of POU protein operation is additionally conferred at the dimerization level. The POU dimer from the Oct-1 gene formed on the palindromic Oct factor-recognition element (PORE), which is comprised of an inverted pair of homeodomain-binding sites separated by exactly 5 bp (ATTTGAAATGCAAAT), could recruit the transcriptional co-activator OBF1. Studies of tissue-specific expression of immunoglobulin promoters demonstrate the importance of an octamer, ATTTGCAT, and the proteins that bind to it. This is a regulatory element important for tissue- and cell-specific transcription, as well as for transcription of a number of housekeeping genes. The Oct-1 gene encodes one protein, NF-A1, which is found in nuclear extracts from all cell types and thus is not specific to lymphoid cells as is the protein NF-A2, which is encoded by the Oct-2 gene.

Note: This product is for in vitro research use only