

PRMT5 Conjugated Antibody

Catalog No: #C48880



Package Size: #C48880-AF350 100ul #C48880-AF405 100ul #C48880-AF488 100ul

#C48880-AF555 100ul #C48880-AF594 100ul #C48880-AF647 100ul

#C48880-AF680 100ul #C48880-AF750 100ul #C48880-Biotin 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	PRMT5 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	72 kDa IClIn binding protein antibody 72 kDa IClIn-binding protein antibody ANM5_HUMAN antibody Histone synthetic lethal 7, S. cerevisiae, homolog of antibody Histone-arginine N-methyltransferase PRMT5 antibody HMT1 hnRNP methyltransferase like 5 antibody HOMOLOG OF; SKB1 antibody HRMT1L5 antibody IBP72 antibody Jak-binding protein 1 antibody JBP 1 antibody JBP1 antibody PRMT 5 antibody PRMT5 antibody Protein arginine methyltransferase 5 antibody Protein arginine N methyltransferase 5 antibody Protein arginine N methyltransferase 5 N terminally processed antibody Protein arginine N-methyltransferase 5 antibody S. POMBE antibody S. POMBE HOMOLOG OF; SKB1 antibody SHK1 KINASE BINDING PROTEIN 1 antibody Shk1 kinase binding protein 1 homolog antibody Shk1 kinase-binding protein 1 homolog antibody Shk1 kinase/binding protein 1, S. pombe, homolog of antibody SKB 1 antibody SKB1 antibody SKB1 homolog antibody SKB1: SKB1 homolog (S. pombe) antibody SKB1Hs antibody
Accession No.	Swiss-Prot#:O14744
Uniprot	O14744
GeneID	10419;
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	73 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

The formation of the spliceosome includes the assembly of Sm proteins in an ordered manner onto snRNAs. This process is mediated by the survival of a motor neuron (SMN) protein and is enhanced by modification of specific Arginine residues in the Sm proteins to symmetrical dimethylarginines (sDMAs). sDMA modification of Sm proteins is catalyzed by the methylosome, a complex comprised of the type II methyltransferase PRMT5, also designated JAK-binding protein 1), (JBP1), pICln, and two novel factors. PRMT5 binds the Sm proteins via their Arginine- and Glycine-rich (RG) domains, while pICln binds the Sm domains. PRMT5 is a distinct member of the protein-Arginine methyltransferase (PRMT) family, and predominantly localizes to the cytoplasm in a wide variety of tissues. PRMT5 also associates specifically with the transcription start site region of the cyclin E1 promoter, and, therefore, is involved in the control of transcription and proliferation. The gene encoding human PRMT5 maps to chromosome 14q11.

Note: This product is for in vitro research use only