Smad5(Phospho-S463/465) Conjugated Antibody

Catalog No: #C13348

Package Size: #C13348-AF350 100ul #C13348-AF405 100ul #C13348-AF488 100ul #C13348-AF555 100ul #C13348-AF594 100ul #C13348-AF647 100ul #C13348-AF680 100ul #C13348-AF750 100ul #C13348-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	Smad5(Phospho-S463/465) Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt, zebrafish
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	C1 antibody C2 antibody Heterogeneous nuclear ribonucleoprotein C (C1/C2) antibody Heterogeneous nuclear ribonucleoprotein C antibody Heterogeneous nuclear ribonucleoproteins C1/C2 antibody HNRNP antibody hnRNP C1 / hnRNP C2 antibody hnRNP C1/C2 antibody Hnrnpc antibody HNRPC antibody HNRPC_HUMAN antibody MGC104306 antibody MGC105117 antibody MGC117353 antibody MGC131677 antibody Nuclear ribonucleoprotein particle C1 protein antibody Nuclear ribonucleoprotein particle C2 protein antibody SNRPC antibody
Accession No.	Swiss-Prot#:P07910
Uniprot	P07910
GeneID	3183;
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	42
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

Heterogeneous nuclear ribonucleoproteins (hnRNPs) constitute a set of polypeptides that contribute to pre-mRNA processing and transport, and also bind heterogeneous nuclear RNA (hnRNA), which are the transcripts produced by RNA polymerase II. hnRNP complexes are the major constituents of the spliceosome and, in particular, the hnRNP A1 protein is one of the major pre-mRNA/mRNA binding proteins and also one of the most abundant proteins in the nucleus. hnRNP A1 and A2/B1 regulate the processing of pre-mRNA by directly antagonizing the association of various splicing factors and by influencing the splice site selection on pre-mRNA. The majority of hnRNP proteins components are localized to the nucleus; however, some shuttle between the nucleus and the cytoplasm. Most hnRNP proteins, in-cluding hnRNP C1 and C2, contain one or more RNA binding domains and are implicated in the processing of pre-mRNA. hnRNPs F and H are largely related factors that preferentially associate with poly(rG) regions on RNA. Isoforms of these proteins are often generated by alternative processing of the pre-mRNA and by posttranslational modifications such as phosphorylation on serines and threonines and methylation of arginines.

Note: This product is for in vitro research use only