

Cellular Apoptosis Susceptibility Conjugated Antibody

Catalog No: #C49774



Package Size: #C49774-AF350 100ul #C49774-AF405 100ul #C49774-AF488 100ul
 #C49774-AF555 100ul #C49774-AF594 100ul #C49774-AF647 100ul
 #C49774-AF680 100ul #C49774-AF750 100ul #C49774-Biotin 100ul

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

Description

Product Name	Cellular Apoptosis Susceptibility 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	CAS antibody Cellular apoptosis susceptibility protein antibody Chromosome segregation 1 (yeast homolog) like antibody Chromosome segregation 1 Like antibody Chromosome segregation 1 like protein antibody Chromosome segregation 1-like protein antibody Chromosome segregation gene CSE1 antibody CSE 1 antibody CSE 1 chromosome segregation 1 like antibody CSE 1 chromosome segregation 1 like protein antibody CSE 1L antibody CSE1 antibody CSE1 chromosome segregation 1 like (yeast) antibody CSE1 chromosome segregation 1 like antibody CSE1 chromosome segregation 1 like protein antibody CSE1L antibody Exp 2 antibody Exp2 antibody Exportin 2 antibody Exportin-2 antibody Exportin2 antibody Importin alpha re exporter antibody Importin-alpha re-exporter antibody MGC117283 antibody MGC130036 antibody MGC130037 antibody XPO 2 antibody XPO2 antibody XPO2_HUMAN antibody
Accession No.	Swiss-Prot#:P55060
Uniprot	P55060
GeneID	1434;
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	110 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

Cellular apoptosis susceptibility protein (CAS), also called Exportin 2, is a 971 amino acid member of the CSE1 family. CAS mediates Importin α re-export from the nucleus to the cytoplasm after import substrates have been released into the nucleoplasm. In the nucleus, CAS binds cooperatively to Importin α and to the GTPase Ran in its GTP-bound (active) form. This complex binds to nucleoporins as it docks to the nuclear pore complex. Once in the cytoplasm, the complex dissociates and Importin α is released and CAS returns to the nuclear compartment and the process begins anew. CAS can be detected highly in proliferating cells. Three isoforms of CAS have been named due to alternative splicing. Isoform 1 is the full length, 971 amino acid protein. Isoform 2 contains an alternative sequence for amino acids 190-195 and is missing amino acids 196-971. Isoform 3 contains an alternative sequence for amino acids 943-945 and is missing amino acids 946-971.

Note: This product is for in vitro research use only