AKT1 (Phospho-T450) Conjugated Antibody

Catalog No: #C13410

Package Size: #C13410-AF350 100ul #C13410-AF405 100ul #C13410-AF488 100ul #C13410-AF555 100ul #C13410-AF594 100ul #C13410-AF647 100ul #C13410-AF680 100ul #C13410-AF750 100ul #C13410-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	AKT1 (Phospho-T450) 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	Cdc 2 antibody Cdc2 antibody CDC28A antibody CDK 1 antibody CDK1 antibody CDK1_HUMAN antibody CDKN1 antibody CELL CYCLE CONTROLLER CDC2 antibody Cell division control protein 2 antibody Cell division control protein 2 homolog antibody Cell division cycle 2 G1 to S and G2 to M antibody Cell division protein kinase 1 antibody Cell Divsion Cycle 2 Protein antibody Cyclin Dependent Kinase 1 antibody Cyclin-dependent kinase 1 antibody DKFZp686L20222 antibody MGC111195 antibody p34 Cdk1 antibody p34 protein kinase antibody P34CDC2 antibody
Accession No.	Swiss-Prot#:P06493
Uniprot	P06493
GeneID	983;
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	34
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

In vertebrates, as in yeast, multiple cyclins have been identified, including a total of eight such regulatory proteins in mammals. In contrast to the situation in yeast, the Cdc2 p34 kinase is not the only catalytic subunit identified in vertebrates that can interact with cyclins. While Cdc2 p34 is essential for the G2 to M transition in vertebrate cells, a second Cdc2-related kinase has also been implicated in cell cycle control. This protein, designated cyclin-dependent kinase 2 (Cdk2) p33, also binds to cyclins and its kinase activity is temporally regulated during the cell cycle. Several additional Cdc2 p34-related cyclin dependent kinases have been identified. These include Cdk3-Cdk8, PCTAIRE-1-3 and KKIALRE.

Note: This product is for in vitro research use only