Akt1(Phospho-Ser473) Conjugated Antibody

Catalog No: #C13357

Package Size: #C13357-AF350 100ul #C13357-AF405 100ul #C13357-AF488 100ul #C13357-AF555 100ul #C13357-AF594 100ul #C13357-AF647 100ul #C13357-AF680 100ul #C13357-AF750 100ul #C13357-Biotin 100ul

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

Description

Product Name	Akt1(Phospho-Ser473) Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Tyr15 of human Cdk2.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Cdc2 related protein kinase antibody cdc2-related protein kinase antibody CDC28 antibody CDC2A antibody Cdk 2 antibody CDK1 antibody CDK2 antibody CDK2_HUMAN antibody CDKN2 antibody Cell devision kinase 2 antibody Cell division protein kinase 2 antibody Cyclin dependent kinase 2 antibody cyclin dependent kinase 2-alpha antibody Cyclin-dependent kinase 2 antibody kinase Cdc2 antibody MPF antibody p33 protein kinase antibody p33(CDK2) antibody
Accession No.	Swiss-Prot#:P24941
Uniprot	P24941
GeneID	1017;
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