Cdk2(Phospho-Y15) Conjugated Antibody

Catalog No: #C13399

Package Size: #C13399-AF350 100ul #C13399-AF405 100ul #C13399-AF488 100ul #C13399-AF555 100ul #C13399-AF594 100ul #C13399-AF647 100ul #C13399-AF680 100ul #C13399-AF750 100ul #C13399-Biotin 100ul

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

Description

Product Name	Cdk2(Phospho-Y15) 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	c Jun N terminal kinase 3 antibody c Jun N-terminal kinase 1 antibody JNK 46 antibody JNK antibody JNK1 antibody JNK1A2 antibody JNK21B1/2 antibody JNK3 alpha protein kinase antibody JNK3 antibody JNK3A antibody JUN N terminal kinase antibody MAP kinase 10 antibody MAP kinase 8 antibody MAP kinase p49 3F12 antibody MAPK 10 antibody MAPK10 antibody MAPK8 antibody Mitogen activated protein kinase 10 antibody Mitogen activated protein kinase 8 antibody Mitogen activated protein kinase 8 isoform JNK1 alpha1 antibody Mitogen activated protein kinase 8 isoform JNK1 beta2 antibody p493F12 antibody p54bSAPK antibody PRKM10 antibody PRKM8 antibody SAPK1 antibody SAPK1b antibody SAPK1c antibody Stress activated protein kinase 1 antibody Stress activated protein kinase 1b antibody Stress activated protein kinase 1c antibody Stress activated protein kinase beta antibody Stress activated protein kinase JNK3 antibody
Accession No.	Swiss-Prot#:P45983
Uniprot	P45983
GeneID	5599;
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	48
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

c-Jun N-terminal kinases (JNKs) phosphorylate and augment transcriptional activity of c-Jun. JNKs originate from three genes that yield 10 isoforms through alternative mRNA splicing, including JNK1a1,JNK1b1, JNK2a1, JNK2b1, and JNK3a1, which represent the p46 isoforms, and JNK1a2, JNK1b2, JNK2a2, JNK2b2, and JNK3b2, which represent the p54 isoforms.JNKs coordinate cell responses to stress and influence regulation of cell growth and transformation. The human JNK1 (PRKM8, SAPK1, MAPK8) gene maps to chromosome 10q11.22 and shares 83% amino acid identity with JNK2. JNK1 is necessary for normal activation and differentiation of CD4 helper T (TH) cells into TH1 and TH2 effector cells. Capsaicin activates JNK1 and p38 in ras-transformed human breast epithelial cells. Nitrogen oxides (NOx) upregulate JNK1 in addition to c-Fos, c-Jun, and other signaling kinases, including MEKK1 and p38. JNK3 (MK10, MAPK10, PRKM10) is activated by pro-inflammatory cytokines and environmental stresss by phosphorylating transcription factors such as c-Jun and ATF2. This is important for AP-1 transcriptional activity regulation. JNK3 is crucial for neuronal apoptosis (stress-induced).

Note: This product is for in vitro research use only