Histone H1.3(Phospho-T17)+Histone H1.4(Phospho-T17) Conjugated Antibody

Catalog No: #C13339

Orders: order@signalwayantibody.com
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Package Size: #C13339-AF350 100ul #C13339-AF405 100ul #C13339-AF488 100ul #C13339-AF555 100ul #C13339-AF594 100ul #C13339-AF647 100ul #C13339-AF680 100ul #C13339-AF750 100ul #C13339-Biotin 100ul

Description

Product Name	Histone H1.3(Phospho-T17)+Histone H1.4(Phospho-T17) 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	DNA dependent protein kinase catalytic subunit antibody DNA PK catalytic subunit antibody DNA-dependent protein kinase catalytic subunit antibody DNA-PK catalytic subunit antibody DNA-PKcs antibody DNAPK antibody DNAPK catalytic subunit antibody DNPK 1 antibody DNPK1 antibody Hyper radiosensitivity of murine scid mutation, complementing 1 antibody HYRC 1 antibody HYRC antibody HYRC1 antibody IMD26 antibody p350 antibody p460 antibody PKRDC antibody PRKDC antibody PRKDC_HUMAN antibody Protein Kinase DNA Activated Catalytic Polypeptide antibody XRCC 7 antibody XRCC7 antibody
Accession No.	Swiss-Prot#:P78527
Uniprot	P78527
GeneID	5591;
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	469
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

The phosphatidylinositol kinase (PIK) family members fall into two distinct subgroups. The first subgroup contains proteins such as the PI 3- and PI 4-kinases and the second group comprises the PIK-related kinases. The PIK-related kinases include Atm, DNA-PKCS and FRAP. These proteins have in common a region of homology at their carboxy termini that is not present in the PI 3- and PI 4-kinases. The Atm gene is mutated in the autosomal recessive disorder ataxia telangiectasia (AT) that is characterized by cerebellar degeneration (ataxia) and the appearance of dilated blood vessels (telangiectases) in the conjunctivae of the eyes. AT cells are hypersensitive to ionizing radiation, impaired in mediating the inhibition of DNA synthesis and they display delays in p53 induction. DNA-PK is a heterotrimeric DNA binding enzyme that is composed of a large subunit, DNA-PKCS, and two smaller subunits collectively known as Ku. The loss of DNA-PK leads to defects in DSB repair and V(D)J recombination. FRAP can autophosphorylate on serine and bind to rapamycin/FKBP. FRAP is also an upstream regulator of S6 kinase and has been implicated in the regulation of p27 and p21 expression.

Note: This product is for in vitro research use only