HP1 gamma Conjugated Antibody

Catalog No: #C49690

Package Size: #C49690-AF350 100ul #C49690-AF405 100ul #C49690-AF488 100ul #C49690-AF555 100ul #C49690-AF594 100ul #C49690-AF647 100ul #C49690-AF680 100ul #C49690-AF750 100ul #C49690-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	HP1 gamma 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	CBX 3 antibody CBX3 antibody CBX3_HUMAN antibody Chromobox homolog 3 (HP1 gamma homolog, Drosophila) antibody Chromobox homolog 3 antibody Chromobox protein homolog 3 antibody GAMMA antibody HECH antibody Heterochromatin like protein 1 antibody Heterochromatin protein 1 homolog gamma antibody Heterochromatin protein HP1 gamma antibody HP1 gamma antibody HP1 gamma homolog antibody HP1Hs gamma antibody Modifier 2 protein antibody
Accession No.	Swiss-Prot#:Q13185
Uniprot	Q13185
GeneID	11335;
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	20 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

Chromatin assembly factor-1 (CAF-1) is a multisubunit protein complex that comprises three polypeptide subunits known as p150, p60, and p48. CAF-1 is a nucleosome assembly factor that deposits newly synthesized and acetylated histones H3/H4 into nascent chromatin during DNA replication. The p150 subunit of CAF-1 also supports the maintenance of heterochromatin, which requires the synthesis of both new histones and heterochromatin proteins and their orderly assembly during DNA replication. Heterochromatin is characterized as densely coiled chromatin that generally replicates late during S phase, has a low gene density, and contains large blocks of repetitive DNA that is relatively inaccessible to DNA-modifying reagents. In late S phase, p150 directly associates with heterochromatin associated proteins 1 (HP1α, HP1β and HP1γ). As cells prepare for mitosis, CAF-1 p150 and some HP1 progressively dissociate from heterochromatin, coinciding with the phosphorylation of Histone H3. The HP1 proteins reassociate with chromatin at the end of mitosis, as Histone H3 is dephosphorylated.

Note: This product is for in vitro research use only