

## HP1 alpha Conjugated Antibody

Catalog No: #C48672



Package Size: #C48672-AF350 100ul #C48672-AF405 100ul #C48672-AF488 100ul  
 #C48672-AF555 100ul #C48672-AF594 100ul #C48672-AF647 100ul  
 #C48672-AF680 100ul #C48672-AF750 100ul #C48672-Biotin 100ul

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## Description

Product Name	HP1 alpha 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	Antigen p25 antibody CBX5 antibody CBX5_HUMAN antibody CG8409 antibody Chromobox 5 antibody Chromobox homolog 5 (HP1 alpha homolog, Drosophila) antibody Chromobox homolog 5 antibody Chromobox protein homolog 5 antibody Epididymis luminal protein 25 antibody HEL25 antibody Heterochromatin protein 1 alpha antibody Heterochromatin protein 1 antibody Heterochromatin protein 1 homolog alpha antibody HP1 alpha antibody HP1 alpha homolog antibody HP1 antibody HP1A antibody HP1Hs alpha antibody Su(var)205 antibody
Accession No.	Swiss-Prot#:P45973
Uniprot	P45973
GeneID	23468;
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	22 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

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## Background

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The family of Heterochromatin Protein 1 (HP1) ("Chromobox Homolog", CBX) are highly conserved adapter proteins, which have important functions in the cell nucleus. These functions include gene repression by heterochromatin formation, transcriptional activation, regulation of binding of cohesion complexes to centromere, sequestration of genes to nuclear periphery, transcriptional arrest, maintenance of heterochromatin integrity, gene repression at single nucleosome level and gene repression by heterochromatinization of euchromatin. Three different paralogs of HP1 are found in mammals, HP1 $\alpha$ , HP1 $\beta$  and HP1 $\gamma$ .

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Note: This product is for in vitro research use only