

Goat anti-CBX5 / HP1-Alpha Antibody

Item Number	dAP-0764
Target Molecule	Principle Name: CBX5 / HP1-Alpha; Official Symbol: CBX5; All Names and Symbols: CBX5; HP1-ALPHA; chromobox homolog 5 (HP1 alpha homolog, Drosophila); HGNC:1555; HP1; HP1Hs-alpha ; chromobox homolog 5 (Drosophila HP1 alpha); Heterochromatin protein-1; HP1A; antigen p25; heterochromatin protein 1 homolog alpha; heterochromatin protein ; Accession Number (s): NP_036249.1; NP_001120793.1; NP_001120794.1; Human Gene ID(s): 23468; Non-Human GeneID(s):
Immunogen	NKRKSNFSNSADDIK, is from internal region Variants (NP_036249.1; NP_001120793.1; NP_001120794.1) encode the same protein.
Applications	Pep ELISA, WB, IHC, FC Species Tested: Human, Mouse
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 128000.
Western Blot	Western Blot: Approx 24-25kDa band observed in lysates of cell lines K562, MCF7 and NIH3T3 (calculated MW of 22.2kDa according to Human NP_036249.1 and Mouse NP_001070257.1). Recommended concentration: 0.03-0.1µg/ml. Primary incubation 1 hour at room tem
IHC	Immunohistochemistry: In paraffin embedded Human Uterus shows nuclear staining in the epithelial cells of the endometrium. Recommended concentration: 2-4µg/ml.
Reference	Reference(s): Rohr O, Lecestre D, Chasserot-Golaz S, Marban C, Avram D, Aunis D, Leid M, Schaeffer E. Recruitment of Tat to heterochromatin protein HP1 via interaction with CTIP2 inhibits human immunodeficiency virus type 1 replication in microglial cells. J Virol. 2003 May;77(9):5415-27. .PMID: 12692243 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**