Goat anti-CBX1 / HP1-Beta Antibody

Item Number	dAP-0729
Target Molecule	Principle Name: CBX1 / HP1-Beta; Official Symbol: CBX1; All Names and Symbols: CBX1; HP1-BETA; chromobox homolog 1 (HP1 beta homolog Drosophila); HGNC:1551; CBX; HP1Hs-beta; M31; MOD1; chromobox homolog 1 (Drosophila HP1 beta); heterochromatin protein p25 beta; HP1Hsbeta; p25beta; heterochromatin protein 1-beta; modifier 1 protein; Accession Number (s): NP_006798.1; NP_001120700.1; Human Gene ID(s): 10951; Non-Human GeneID(s): 12412 (mouse) 360609 (rat)
Immunogen	QSQKTAHETDKSE, is from internal region Variants (NP_006798.1; NP_001120700.1) encode the same protein.
Applications	Pep ELISA, WB, IHC Species Tested: Human
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; Reconsititute 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 32000.
Western Blot	Western Blot: Approx. 25kDa band observed in lysates of A431, HeLa and HepG2 (calculated MW of 25kDa according to NP_006798.1). Recommended concentration: 0.3-1.0 µg/ml.
IHC	Immunohistochemistry: In paraffin embedded Human Placenta shows strong nuclear staining in tropho-blasts. Recommended concentration, 2-3µg/ml.
Reference	Reference(s): Sharma GG, Hwang KK, Pandita RK, Gupta A, Dhar S, Parenteau J, Agarwal M, Worman HJ, Wellinger RJ, Pandita TK. Human heterochromatin protein 1 isoforms HP1(Hsalpha) and HP1(Hsbeta) interfere with hTERT-telomere interactions and correlate with changes in cell growth and response to ioniz-

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