Goat anti-CBX3 / HP1 Gamma, Biotinylated Antibody

Item Number	dAP-3412
Target Molecule	Principle Name: CBX3 / HP1 Gamma, Biotinylated; Official Symbol: CBX3; All Names and Symbols: CBX3; chromobox 3; HECH; HP1-GAMMA; HP1Hs-gamma; HP1 gamma homolog; chromobox homolog 3 (HP1 gamma homolog, Drosophila); heterochromatin protein 1 homolog gamma; heterochromatin protein HP1 gamma; heterochromatin-like protein 1; modifier 2 protein; Accession Number (s): NP_009207.2; Human Gene ID(s): 11335; Non-Human GeneID(s): 12417 (mouse) 297093 (rat)
Immunogen	CEAFLNSQKAGKEKD., is from internal region No cross-reactivity expected with HP1-alpha and HP1-beta. Reported variants represent identical protein: NP_009207.2, NP_057671.2
Applications	Pep ELISA, WB, IHC 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; 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 20kDa band observed in lysates of cell line NIH3T3 (calculated MW of 20.8kDa according to Mouse NP_031650.3). See non-biotinylated parental product's datasheet for further QC data. Recommended concentration: 0.1-0.3µg/ml.
IHC	
Reference	Reference(s): Vakoc CR, Mandat SA, Olenchock BA, Blobel GA. Histone H3 lysine 9 methylation and HP1gamma are associated with transcription elongation through mammalian chromatin. Molecular cell 2005 Aug 19 (3): 381-91..PMID: 16061184->

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