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**Research Use Only. Not for
diagnostic or therapeutic use.**

Storage: For long-term storage
keep aliquots at -20°C. (Store no
longer than 12 months at 4°C).
Minimize freezing and thawing.

EB06957 - Goat Anti-CBX5 / HP1-Alpha Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: heterochromatin protein 1-alpha, heterochromatin protein 1 homolog alpha, antigen p25, HP1A, Heterochromatin protein-1, chromobox homolog 5 (Drosophila HP1 alpha), HP1Hs-alpha, HP1, HGNC:1555, chromobox homolog 5 (HP1 alpha homolog, Drosophila), HP1-ALPHA, CBX5

Official Symbol: CBX5

Accession Number(s): NP_036249.1; NP_001120793.1; NP_001120794.1

Human GeneID(s): [23468](#)

Important Comments: Variants (NP_036249.1; NP_001120793.1; NP_001120794.1) encode the same protein.

Immunogen

Peptide with sequence C-NKRKSNFNSADDIK, from the internal region of the protein sequence according to NP_036249.1; NP_001120793.1; NP_001120794.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.

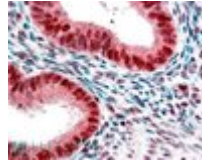
Western blot: Approx. 22kDa band observed in lysates of Human fibroblast cell lines A431 and HeLa (calculated MW of 22.2kDa according to NP_036249.1). Recommended concentration: 0.03-0.1µg/ml.

IHC: In paraffin embedded Human Uterus shows strong nuclear staining in the glandular epithelial cells. Recommended concentration, 2-3µg/ml.

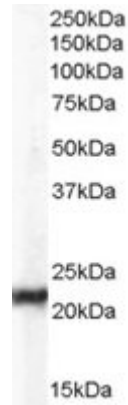
Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Dog



EB06957 (2.5 μ g/ml) staining of paraffin embedded Human Uterus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB06957 (0.03 μ g/ml) staining of HeLa lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.