



## UK Office

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

## EB06959-B - Goat Anti-CBX3 / HP1 Gamma, Biotinylated Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** 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

**Official Symbol:** CBX3

**Accession Number(s):** NP\_009207.2

**Human GeneID(s):** [11335](#)

**Non-Human GeneID(s):** 12417 (mouse), 297093 (rat)

**Important Comments:** No cross-reactivity expected with HP1-alpha and HP1-beta. Reported variants represent identical protein: NP\_009207.2, NP\_057671.2

### Immunogen

Peptide with sequence CEAFLN SQKAGKEKD., from the internal region of the protein sequence according to NP\_009207.2.

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 1:32000.

**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.

### Species Reactivity

**Tested:** Human, Mouse

**Expected from sequence similarity:** Human, Mouse, Rat, Dog



Biotinylated EB06959 (0.3 $\mu$ g/ml) staining of NIH3T3 lysate (35 $\mu$ g protein in RIPA buffer), exactly mirroring its parental non-biotinylated product. Primary incubation was 1 hour. Detected by chemiluminescence, using streptavidin-HRP and using NAP blocker as a substitute for skimmed milk.