

UK Office

Everest Biotech Ltd

Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD
UK

Enquiries:

info@everestbiotech.com

Sales:

sales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

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

EB06957 - Goat Anti-CBX5 / HP1-Alpha Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: 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 1-alpha

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 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 temperature.

IHC: In paraffin embedded Human Uterus shows nuclear staining in the epithelial cells of the endometrium. Recommended concentration: 2-4µg/ml.

Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human, Mouse

Expected from sequence similarity: Human, Mouse, Dog

EB06957 (0.1µg/ml) staining of K562 (A), MCF7 (B) and NIH3T3 (C) cell lysate (35µg protein in RIPA buffer).
Detected by chemiluminescence.

EB06957 (2µg/ml) staining of paraffin embedded Human Uterus. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.

EB06957 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.