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

EB05345-T - Goat Anti-APE1 / APEX1 Antibody - Trial

Size: 20µg specific antibody in 40µl

Target Protein

Principal Names: APE1, APEX1, APEX, APEX nuclease (multifunctional DNA repair enzyme), APE, APX, APEN, HAP1, REF1, REF-1, AP lyase, AP endonuclease class I, apurinic/apyrimidinic exonuclease, multifunctional DNA repair enzyme, DNA-(apurinic or apyrimidinic site) lyase, apurinic/apyrimidinic (abasic), APEX nuclease 1 endonuclease, deoxyribonuclease (apurinic or apyrimidinic), apurinic/apyrimidinic (abasic) endonuclease, redox factor 1
Official Symbol: APEX1
Accession Number(s): NP_001632.2
Human GeneID(s): 328
Important Comments: Reported variants represent identical protein (NP_001632.2; NP_542379.1; NP_542380.1).

Immunogen

Peptide with sequence PKRGKKGAVAEDGD-C, from the N Terminus of the protein sequence according to NP_001632.2.

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 1:16000.
Western blot: Approx 37kDa band observed in nuclear lysates of cell lines A431, HeLa and MCF7 (calculated MW of 35.6kDa according to NP_001632.2, NP_542379.1 and NP_542380.1). Recommended concentration: 0.1-0.3µg/ml.
IHC: In paraffin embedded Human Breast shows nuclear staining of lobular epithelial cells. Recommended concentration: 4-6µg/ml.

Species Reactivity

Tested: Human
Expected from sequence similarity: Human, Dog, Pig, Cow

EB05345 (0.3µg/ml) staining of A431 (A), HeLa (B) and MCF7 (C) nuclear lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB05345 (4µg/ml) staining of paraffin embedded Human Breast. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.