

Product Datasheet

APE1 Antibody

Catalog No: CY6946

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC



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Information

UniProt ID: P27695

All Names: DNA-(apurinic or apyrimidinic site) lyase; APEX nuclease; APEN; AP endonuclease 1; APE-1; APEX1; APE; APE1; APEX; APX; HAP1; REF1;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 36kDa

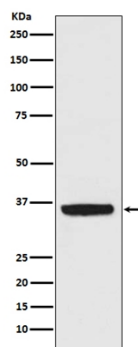
Application

WB 1:1000~1:5000

IHC 1:50~1:200

Background

Ape1 initiates the repair of abasic sites and is essential for the base excision repair (BER) pathway. Repair activities of Ape1 are stimulated by interaction with XRCC1, another essential protein in BER. Ape1 functions as a redox factor that maintains transcription factors in an active, reduced state but can also function in a redox-independent manner as a transcriptional cofactor to control different cellular fates such as apoptosis, proliferation and differentiation.



Western blot analysis of APE1 expression in K562 cell lysate.

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