

Rabbit APE1 Polyclonal Antibody | anti-APEX1 antibody

Anti-APE1 antibody

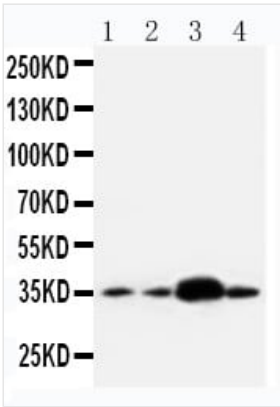
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45127	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

APE1; Polyclonal Antibody; Anti-APE1 antibody; DNA-(apurinic or apyrimidinic site) lyase; APEX nuclease(multifunctional DNA repair enzyme) 1; AP endonuclease 1 antibody; AP endonuclease class I antibody; AP lyase antibody; APE 1 antibody; APE antibody; APE-1 antibody; APEN antibody; APEX 1 antibody; APEX antibody; APEX nuclease(multifunctional DNA repair enzyme) 1 antibody; Apex nuclease 1 antibody; APEX nuclease antibody; APEX1 antibody; APEX1_HUMAN antibody; Apurinic endonuclease antibody; Apurinic-apyrimidinic endonuclease 1 antibody; Apurinic/apyrimidinic(abasic) endonuclease antibody; Apurinic/apyrimidinic endonuclease 1 antibody; Apurinic/apyrimidinic exonuclease antibody; APX antibody; BAP1 antibody; Deoxyribonuclease(apurinic or apyrimidinic) antibody; DNA(apurinic or apyrimidinic site) lyase antibody; mitochondrial antibody; EC 4.2.99.18 antibody; HAP 1 antibody; HAP1 antibody; Human Apurinic endonuclease 1 antibody; MGC139790 antibody; Multifunctional DNA repair enzyme antibody; Redox factor 1 antibody; Redox factor-1 antibody; REF 1 antibody; REF 1 protein antibody; REF-1 antibody; REF1 antibody; REF1 protein antibody; anti-APEX1 antibody

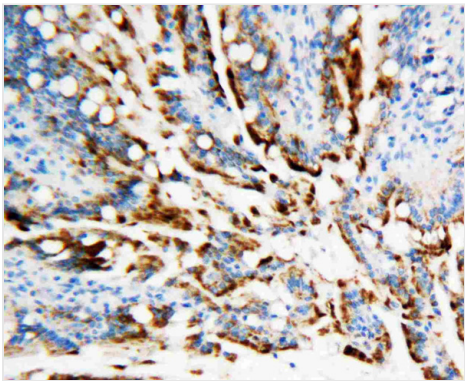
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	318
Applicable Applications for anti-APEX1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human APE1 (177-191aa RGLVRLEYRQRWDEA), identical to the related rat and mouse sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



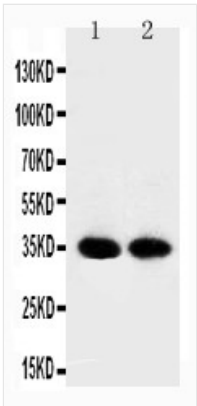
WB (Western Blot)

Anti-APE1 antibody, AAA45127, Western blottingLane 1: U87 Cell LysateLane 2: A549 Cell LysateLane 3: SMMC Cell LysateLane 4: HELA Cell Lysate



IHC (Immunohistochemistry)

Anti-APE1 antibody, AAA45127, IHC(P)IHC(P): Rat Intestine Tissue



WB (Western Blot)

Anti-APE1 antibody, AAA45127, Western blottingLane 1: Rat Brain Tissue LysateLane 2: Mouse Brain Tissue Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-APEX1 antibody	Description: Rabbit IgG polyclonal antibody for DNA-(apurinic or apyrimidinic site) lyase(APEX1) detection. Tested with WB, IHC-P in Human, Mouse, Rat. Background: APEX1, also called apurinic endonuclease(APE), is a DNA repair enzyme having apurinic/apyrimidinic(AP) endonuclease, 3-prime,5-prime-exonuclease, DNA 3-prime repair diesterase, and DNA 3-prime-phosphatase activities. The human APEX1 gene consists of 5 exons spanning 2.64 kb and exists as a single copy in the haploid genome. Using in situ hybridization, the APEX1 gene is mapped to 14q11.2-q12. The predicted APEX1 protein, which contained probable nuclear transport signals, was identified as a member of a family of DNA repair enzymes found in lower organisms. The abundance of the large form of APEX1 was increased in leiomyoma extracts relative to myometrial tissue extracts, and the large form was dominant in cell lines derived from leiomyosarcomas. The exonuclease activity of nuclear APEX1 can remove the anti-HIV nucleoside analogs AZT and D4T from the 3-prime terminus of a nick more efficiently than can cytosolic exonucleases.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	113984
NCBI GeneID	328
UniProt Accession #	P27695; Q969L5; Q99775
Molecular Weight	35,555 Da
NCBI Official Full Name	DNA-(apurinic or apyrimidinic site) lyase

NCBI Official Synonym Full Names	APEX nuclease (multifunctional DNA repair enzyme) 1
NCBI Official Symbol	APEX1
NCBI Official Synonym Symbols	APE; APX; APE1; APEN; APEX; HAP1; REF1
NCBI Protein Information	DNA-(apurinic or apyrimidinic site) lyase; DNA-(apurinic or apyrimidinic site) lyase; AP lyase; protein REF-1; redox factor-1; AP endonuclease class I; apurinic-apyrimidinic endonuclease 1; apurinic/apyrimidinic (abasic) endonuclease; deoxyribonuclease (apurinic or apyrimidinic)
UniProt Protein Name	DNA-(apurinic or apyrimidinic site) lyase
UniProt Gene Name	APEX1
UniProt Synonym Gene Names	APE; APE1; APEX; APX; HAP1; REF1; APEN; AP endonuclease 1; APE-1
UniProt Entry Name	APEX1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/ape1-antibody-immunohistochemistry-western-blot-elisa/45127>