

Rabbit anti-Human APEX1 Polyclonal Antibody | anti-APEX1 antibody

APEX1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289666	Rabbit	Human	Immunofluorescence, ELISA, Western Blot

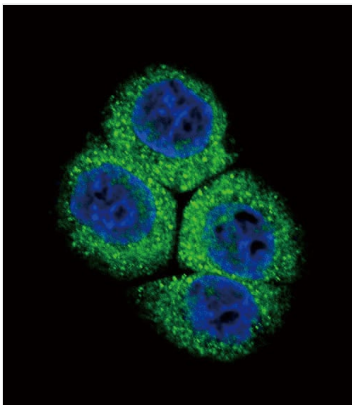
PRODUCT SYNONYMS

APEX1; Polyclonal Antibody; APEX1 Antibody (N-term); DNA-(apurinic or apyrimidinic site) lyase; 31--; APEX nuclease; APEN; Apurinic-apyrimidinic endonuclease 1; AP endonuclease 1; APE-1; REF-1; Redox factor-1; mitochondrial; APE; APE1; APEX; APX; HAP1; REF1; anti-APEX1 antibody

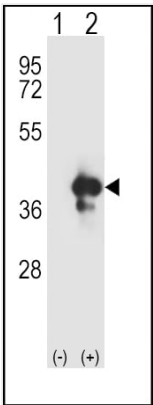
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This APEX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 30-64 amino acids from the N-terminal region of human APEX1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	30-64
Sequence Length	318
Applicable Applications for anti-APEX1 antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

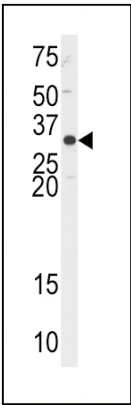
IMAGES



IF (Immunofluorescence)
Confocal immunofluorescent analysis of APEX1 Antibody (N-term) with hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)
Western blot analysis of APEX1 (arrow) using rabbit polyclonal APEX1 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the APEX1 gene.



WB (Western Blot)
Western blot analysis of anti-APEX1 Antibody (N-term) in Hela cell line lysates (35ug/lane). APEX1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-APEX1 antibody	Apurinic/apyrimidinic (AP) sites occur frequently in DNA molecules by spontaneous hydrolysis, by DNA damaging agents or by DNA glycosylases that remove specific abnormal bases. AP sites are pre-mutagenic lesions that can prevent normal DNA replication so the cell contains systems to identify and repair such sites. Class II AP endonucleases cleave the phosphodiester backbone 5' to the AP site. This protein is the major AP endonuclease in human cells.
Product Categories/Family for anti-APEX1 antibody	Cardiovascular
References	Vascotto,C., Mol. Cell. Biol. 29 (7), 1834-1854 (2009) Li,W.Q., Carcinogenesis 30 (3), 500-505 (2009) Lo,Y.L., Cancer Epidemiol. Biomarkers Prev. 18 (1), 223-229 (2009) Bhakat,K.K., EMBO J. 22 (23), 6299-6309 (2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	346644849
NCBI GeneID	328
NCBI Accession #	NP_001231178.1; NP_001632.2; NP_542379.1; NP_542380.1
NCBI GenBank Nucleotide #	NM_001244249.1

UniProt Accession #	P27695 ; Q969L5 ; Q99775
Molecular Weight	35555
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
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://www.aaabiotech.com/polyclonal/apex1-antibody-immunofluorescence-western-blot-elisa/289666>