

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

APEX1 Polyclonal Antibody

CATALOG # AAA281275	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

APEX1; Polyclonal Antibody; APEX1 Polyclonal Antibody; APE; APE1; APEN; APEX; APX; HAP1; REF1; anti-APEX1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence	MPKRGKKGAV AEDGDEL RTE PEAKKSKTAA KKNDKEAAGE GPALYEDPPD QKTSPSGKPA TLKICSWNVD GLRAWIKKKG LDWVKKEAPD ILCLQETKCS ENKLPAELQE LPGLSHQYWS APSDKEGYSG VGLLSRQCPL KVSYGIGDEE HDQEGRVIVA EFDSFVLVTA YVPNAGRGLV RLEYRQRWDE AFRKFLKGLA SRKPLVLCGD LNVAHEEIDL RNPKGNNKNA GFTPQERQGF GELLQAVPLA DSFRH
Sequence Length	318
Applicable Applications for anti-APEX1 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant protein of human APEX1
Immunogen Species	Human
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Cellular Location	Cytoplasm, Endoplasmic reticulum, Mitochondrion, Nucleus, Nucleus speckle, nucleolus
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



IP (Immunoprecipitation)

Immunoprecipitation analysis of 200ug extracts of HeLa cells using 1ug APEX1 antibody. Western blot was performed from the immunoprecipitate using APEX1 antibody at a dilution of 1:1000.



IF (Immunofluorescence)

Immunofluorescence analysis of A549 cells using APEX1 antibody.

**IF (Immunofluorescence)**

Immunofluorescence analysis of HeLa cells using APEX1 antibody. Blue: DAPI for nuclear staining.

**WB (Western Blot)**

Western blot analysis of extracts of various cell lines, using APEX1 antibody. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

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 gene encodes the major AP endonuclease in human cells. Splice variants have been found for this gene; all encode the same protein.
Product Categories/Family for anti-APEX1 antibody	Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	346644849
NCBI GeneID	328
NCBI Accession #	NP_001231178.1
NCBI GenBank Nucleotide #	NM_001244249.1
UniProt Accession #	P27695 ; Q969L5 ; Q99775
Molecular Weight	Calculated: 35kDa Observed: 39kDa
NCBI Official Full Name	DNA-(apurinic or apyrimidinic site) lyase
NCBI Official Synonym Full Names	apurinic/apyrimidinic endodeoxyribonuclease 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

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/apex1-antibody-immunoprecipitation-immunofluorescence-western-blot-elisa/281275>