

Rabbit anti-Human APEX1/APE1 Monoclonal Antibody | anti-APEX1 antibody

APEX1/APE1 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282623	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

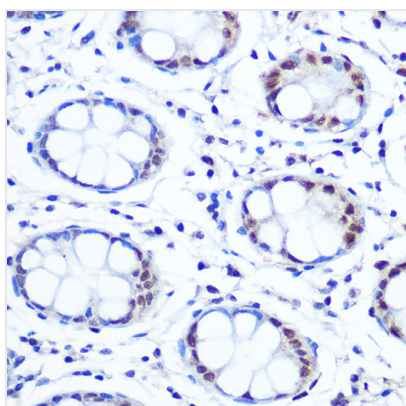
PRODUCT SYNONYMS

APEX1/APE1; Monoclonal Antibody; APEX1/APE1 Rabbit mAb; APE; APX; APE1; APEN; APEX; HAP1; REF1; anti-APEX1 antibody

PRODUCT SPECIFICATIONS

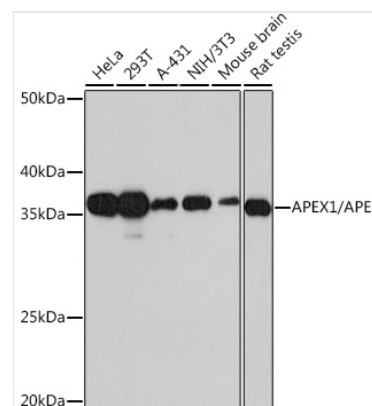
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MPKRGKKGAV AEDGDEL RTE PEAKSKTAA KKNDKEAAGE GPALYEDPPD QKTSPSGKPA TLKICSWNV D GLRAWIKKKG LDWVKEEAPD ILCLQETKCS
Applicable Applications for anti-APEX1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human APEX1/APE1 (P27695).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human colon using APEX1/APE1 Rabbit mAb (AAA282623) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



WB (Western Blot)

Western blot analysis of various lysates, using APEX1/APE1 Rabbit mAb (AAA282623) at 1?1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-APEX1 antibody	The APEX gene encodes the major AP endonuclease in human cells. It encodes the APEX endonuclease, a DNA repair enzyme with apurinic/apyrimidinic (AP) activity. Such AP activity sites occur frequently in DNA molecules by spontaneous hydrolysis, by DNA damaging agents or by DNA glycosylases that remove specific abnormal bases. The AP sites are the most frequent pre-mutagenic lesions that can prevent normal DNA replication. Splice variants have been found for this gene; all encode the same protein. Disruptions in the biological functions related to APEX are associated with many various malignancies and neurodegenerative diseases.
Product Categories/Family for anti-APEX1 antibody	Epigenetics Nuclear Signaling; Transcription Factors; DNA Damage Repair; Cardiovascular; Heart; Cardiogenesis; 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 MW: 36kDa Observed MW: 36kDa
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/apex1-ape1-antibody-immunohistochemistry-western-blot-elisa/282623>