

Human APEX nuclease (multifunctional DNA repair enzyme) 1 ELISA Kit | APEX1 elisa kit

Human DNA- (apurinic or apyrimidinic site) lyase, APEX1 ELISA Kit

CATALOG #
AAA18352

REACTIVITY
Human

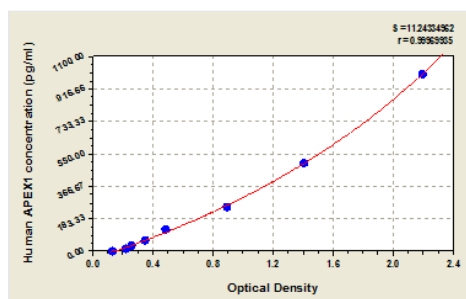
PRODUCT SYNONYMS

APEX nuclease (multifunctional DNA repair enzyme) 1; Human DNA- (apurinic or apyrimidinic site) lyase; APEX1 ELISA Kit; Human DNA- (apurinic or apyrimidinic site) lyase (APEX1) ELISA kit; APE; APE1; APEN; APEX; APX; HAP1; REF1; AP endonuclease class I; AP lyase; APEX nuclease 1; DNA- (apurinic or apyrimidinic site) lyase; apurinic/apyrimidinic (abasic) endonuclease; apurinic/apyrimidinic e; APEX1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human APEX1. No significant cross-reactivity or interference between human APEX1 and analogues was observed.
Sequence Length	318
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates
Detection Range	15.6 pg/ml-1000 pg/ml
Sensitivity	< 3.9 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APEX1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for APEX1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any APEX1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for APEX1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of APEX1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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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	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.

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Online datasheet: <https://stage.aaabiotech.com/apex1-human-elisa-kits/apex-nuclease-multifunctional-dna-repair-enzyme-1/18352>