

DNAxPab

Hard-to-Find
Antibody

APEX1 DNAxPab

Catalog # H00000328-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human APEX1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MPKRGKKGAVAEDGDELRTPEAKKSKTAAKKNDKEAAGEGPALYEDPPDHKTSPSGKPATLK ICSWNV DGLRAWIKKKGLDWVKEEAPDILCLQETKCSENKLPAELQELPGLSHQYWSAPSDKEG YSGVGLLSRQCPLKVSYGIGDEEHQEGRVVAEFDSFVLVTAYVPNAGRGLVRLEYRQRWDEA FRKFLKGLASRKPLVLCGDLNVAHEEIDLRNPKGNKKNAGFTPQERQGFCELLQAVPLADSRH LYPNTPYAYTFWTYMMNARSKNVGWRLDYFLLSHLLPALCD SKIRSKALGSDHCPITLYLAL
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — APEX1

Entrez GeneID [328](#)

GeneBank Accession# [NM_001641.2](#)

Protein Accession# [NP_001632.2](#)

Gene Name APEX1

Gene Alias APE, APE-1, APE1, APEN, APEX, APX, HAP1, REF-1, REF1

Gene Description APEX nuclease (multifunctional DNA repair enzyme) 1

Omim ID [107748](#)

Gene Ontology [Hyperlink](#)

Gene Summary Apurinic/aprimidinic (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. [provided by RefSeq]

Other Designations AP endonuclease class II|AP lyase|APEX nuclease|DNA-(apurinic or apyrimidinic site) lyase|OTTHUMP00000163988|apurinic/apyrimidinic (abasic) endonuclease|apurinic/apyrimidinic exonuclease|deoxyribonuclease (apurinic or apyrimidinic)|multifunctional DNA repair

Pathway

- [Base excision repair](#)

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Adenomatous Polyposis Coli](#)
- [Adenomyoma](#)
- [Alzheimer disease](#)

- [Amyotrophic lateral sclerosis](#)
- [Anoxia](#)
- [Arsenic Poisoning](#)
- [Ataxia telangiectasia](#)
- [Biliary Tract Neoplasms](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cerebrovascular Accident](#)
- [Chromosome Aberrations](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colon cancer](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [DNA Damage](#)
- [Endometriosis](#)
- [Esophageal Neoplasms](#)
- [Fibrosis](#)
- [Gallstones](#)
- [Genetic Predisposition to Disease](#)

- [Glioma](#)
- [Graft vs Host Disease](#)
- [Graves Disease](#)
- [Head and Neck Neoplasms](#)
- [Helicobacter Infections](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Micronuclei](#)
- [Mouth Abnormalities](#)
- [Mouth Neoplasms](#)
- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neuroma](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)

- [Pancreatic Neoplasms](#)
- [Papillomavirus Infections](#)
- [Pharyngeal Neoplasms](#)
- [Precancerous Conditions](#)
- [Pre-Eclampsia](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Radiation Injuries](#)
- [Skin Diseases](#)
- [Skin Neoplasms](#)
- [Spinal Dysraphism](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Thyroid Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Werner syndrome](#)