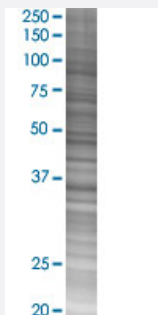


APEX1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000328-T03

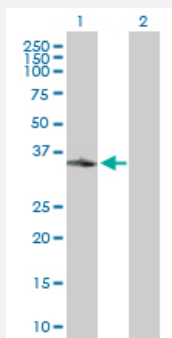
Size 100 uL

Applications



SDS-PAGE Gel

APEX1 transfected lysate.



Western Blot

Lane 1: APEX1 transfected lysate (35.60 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-APEX1 full-length

Host Human

Theoretical MW (kDa) 35.6

Quality Control Testing Transient overexpression cell lysate was tested with Anti-APEX1 antibody ([H00000328-D01P](#)) by Western Blots.
 SDS-PAGE Gel
 APEX1 transfected lysate.
 Western Blot
 Lane 1: APEX1 transfected lysate (35.60 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

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/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. [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](#)