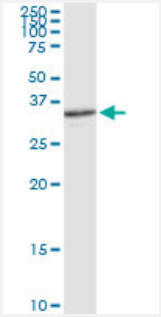
MaxPab®

# APEX1 MaxPab rabbit polyclonal antibody (D02)

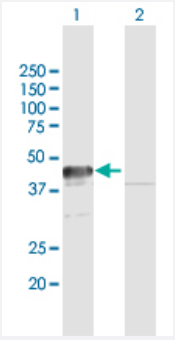
Catalog # H00000328-D02 Size 100 uL

## Applications




### Western Blot (Cell lysate)

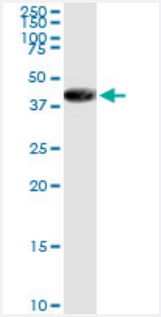
APEX1 MaxPab rabbit polyclonal antibody. Western Blot analysis of APEX1 expression in K-562.




### Western Blot (Transfected lysate)

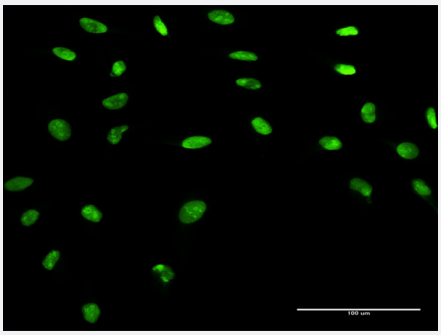
Western Blot analysis of APEX1 expression in transfected 293T cell line (H00000328-T01) by APEX1 MaxPab polyclonal antibody.

Lane 1: APEX1 transfected lysate(34.98 KDa).
Lane 2: Non-transfected lysate.




### Immunoprecipitation

Immunoprecipitation of APEX1 transfected lysate using anti-APEX1 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with APEX1 purified MaxPab mouse polyclonal antibody (B01P) (H00000328-B01P).



## Immunofluorescence

Immunofluorescence of purified MaxPab antibody to APEX1 on HeLa cell. [antibody concentration 10 ug/ml]

## Specification

| | |
|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against a full-length human APEX1 protein. |
| **Immunogen** | APEX1 (NP_001632.1, 1 a.a. ~ 318 a.a) full-length human protein. |
| **Sequence** | MPKRGKKGAVAEDGDELRTEPEAKKSKTAAKKNDKEAAGEGPALYEDPPDHKTSPSGKPATLK ICSWNVDGLRAWIKKKGLDWVKEEAPDILCLQETKCSENKLPAELQELPGLSHQYWSAPSDKEG YSGVGLLSRQCPLKVSYGIGDEEHDQEGRVIVAEFDSFVLVTAYVPNAGRGLVRLEYRQRWDEA FRKFLKGLASRKPLVLCGDLNVAHEEIDLRNPKGNKKNAGFTPQERQGFGELLQAVPLADSFRH LYPNTPYAYTFWTYMMNARSKNVGWRLDYFLLSHSLLPALCDSKIRSKALGSDHCPITLYLAL |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Quality Control Testing** | Antibody reactive against mammalian transfected lysate. |
| **Storage Buffer** | No additive |
| **Storage Instruction** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## Applications

- Western Blot (Cell lysate)

  APEX1 MaxPab rabbit polyclonal antibody. Western Blot analysis of APEX1 expression in K-562.

  Protocol Download

- Western Blot (Transfected lysate)

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  Protocol Download

- Immunoprecipitation

  Immunoprecipitation of APEX1 transfected lysate using anti-APEX1 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with APEX1 purified MaxPab mouse polyclonal antibody (B01P) (H00000328-B01P).

  Protocol Download

- Immunofluorescence

  Immunofluorescence of purified MaxPab antibody to APEX1 on HeLa cell. [antibody concentration 10 ug/ml]

## Gene Info — APEX1

| | |
|---|---|
| **Entrez GeneID** | 328 |
| **GeneBank Accession#** | NM_001641.1 |
| **Protein Accession#** | NP_001632.1 |
| **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 a re pre-mutagenic lesions that can prevent normal DNA replication so the cell contains systems to i dentify and repair such sites. Class II AP endonucleases cleave the phosphodiester backbone 5' t o the AP site. This gene encodes the major AP endonuclease in human cells. Splice variants hav e 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\|OTT HUMP00000163988\|apurinic/apyrimidinic (abasic) endonuclease\|apurinic/apyrimidinic exonucle ase\|deoxyribonuclease (apurinic or apyrimidinic)\|multifunctional DNA repa |

## 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