

## Datasheet

### APEX1 polyclonal antibody (A02)

Splice variants have been found for this gene; all encode the same protein. [provided by RefSeq]

**Catalog Number:** H00000328-A02

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse polyclonal antibody raised against a partial recombinant APEX1.

**Immunogen:** APEX1 (NP\_001632, 219 a.a. ~ 318 a.a) partial recombinant protein with GST tag.

**Sequence:**

DLRNPKGNNKKNAGFTPQERQGFGEELLQAVPLADSFR  
HLYPNTPYAYTFWTYMMNARSKNVGWRLDYFLLSHS  
LLPALCDSKIRSKALGSDHCPITLYLAL

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, WB-Ce, WB-Re

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Storage Buffer:** 50 % glycerol

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 328

**Gene Symbol:** APEX1

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

**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.