

## APEX2 rabbit monoclonal antibody

Catalog # H00027301-K

Size 100 ug x up to 3

### Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human APEX2 peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human APEX2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
<b>Host</b>	Rabbit
<b>Library Construction</b>	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
<b>Expression</b>	Overexpression vector and transfection into 293H cell line.
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Isotype</b>	IgG
<b>Quality Control Testing</b>	Antibody reactive against human APEX2 peptide by ELISA and mammalian transfected lysate by Western Blot.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Deliverable</b>	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
<b>Note</b>	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

### Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — APEX2

Entrez GeneID	<a href="#">27301</a>
GeneBank Accession#	<a href="#">APEX2</a>
Gene Name	APEX2
Gene Alias	APE2, APEXL2, XTH2
Gene Description	APEX nuclease (apurinic/aprimidinic endonuclease) 2
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>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 a protein shown to have a weak class II AP endonuclease activity. Most of the encoded protein is located in the nucleus but some is also present in mitochondria. This protein may play an important role in both nuclear and mitochondrial base excision repair (BER). [provided by RefSeq]</p>
Other Designations	APEX nuclease-like 2 OTTHUMP00000023390 OTTHUMP00000061908 apurinic/aprimidinic endonuclease 2 apurinic/aprimidinic endonuclease-like 2

## Pathway

- [Base excision repair](#)

## Disease

- [Genetic Predisposition to Disease](#)
- [Multiple Sclerosis](#)