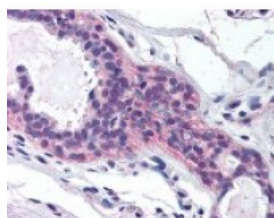




## APEX Nuclease Antibody

CATALOG NUMBER: 49-262



Immunohistochemistry staining of APEX  
Nuclease in breast tissue using APEX  
Nuclease Antibody.

### Specifications

<b>SPECIES REACTIVITY:</b>	Bovine, Dog, Gorilla, Human, Monkey, Pig, Rabbit
<b>TESTED APPLICATIONS:</b>	IHC, WB
<b>APPLICATIONS:</b>	APEX Nuclease antibody can be used in ELISA, Western Blot, immunohistochemistry starting at 5 ug/mL, and immunofluorescence starting at 10 ug/mL.
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.
<b>SPECIFICITY:</b>	In HeLa, a 54 kD band is observed.
<b>IMMUNOGEN:</b>	APEX Nuclease antibody was raised against synthetic peptides of APEX Nuclease (Human).
<b>HOST SPECIES:</b>	Rabbit

### Properties

<b>PURIFICATION:</b>	Protein G Column
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	PBS, 0.02% sodium azide.
<b>STORAGE CONDITIONS:</b>	Store APEX Nuclease antibody at 4 °C for short term applications. For long term storage, aliquot and -20 °C.
<b>CLONALITY:</b>	Polyclonal
<b>ISOTYPE:</b>	IgG
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	APEX2, AP endonuclease 2, AP endonuclease XTH2, APEX nuclease 2, APEX nuclease-like 2, APEXL2, APE2, XTH2
<b>ACCESSION NO.:</b>	Q9UBZ4
<b>PROTEIN GI NO.:</b>	73921676
<b>OFFICIAL SYMBOL:</b>	APEX2
<b>GENE ID:</b>	27301

## Background

**BACKGROUND:** Apurinic/aprimidinic (AP) sites occur frequently in DNA by spontaneous hydrolysis, DNA damaging agents or DNA glycosylases that remove specific abnormal bases. ClassII AP endonucleases act to repair this damage by cleaving the phosphodiester backbone. It is primarily located in the nucleus but is also present in mitochondria. This protein may play an important role in both nuclear and mitochondrial base excision repair (BER).

---

**FOR RESEARCH USE ONLY**

December 13, 2016