

A0476

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# APEX1/APE1 Mouse mAb

Catalog No.: A0476

## Basic Information

### Observed MW

36kDa

### Calculated MW

36kDa

### Category

Monoclonal Antibody

### Applications

WB,IHC-P,IF/ICC,ELISA

### Cross-Reactivity

Human

## Background

The APEX gene encodes the major AP endonuclease in human cells. It encodes the APEX endonuclease, a DNA repair enzyme with apurinic/apyrimidinic (AP) activity. Such AP activity sites occur frequently in DNA molecules by spontaneous hydrolysis, by DNA damaging agents or by DNA glycosylases that remove specific abnormal bases. The AP sites are the most frequent pre-mutagenic lesions that can prevent normal DNA replication. Splice variants have been found for this gene; all encode the same protein. Disruptions in the biological functions related to APEX are associated with many various malignancies and neurodegenerative diseases.

## Recommended Dilutions

**WB** 1:500 - 1:1000

**IHC-P** 1:20 - 1:50

**IF/ICC** 1:20 - 1:50

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

328

### Swiss Prot

P27695

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

APE; APX; APE1; APEN; APEX; HAP1; REF1; APEX1/APE1

## Product Information

### Source

Mouse

### Isotype

IgG

### Purification

Affinity purification

### Storage

Store at 4°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,pH7.3.

## Contact



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