

APEX1/APE1 Mouse mAb

Catalog No.: A0476

Basic Information

Observed MW

36kDa

Calculated MW

36kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

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

Immunogen Information

Gene ID	Swiss Prot
328	P27695

Immunogen

A synthetic peptide of human APEX1/APE1/APE1

Synonyms

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

Contact

 | www.abclonal.com

Product Information

Source	Isotype	Purification
Mouse	IgG	Affinity purification

Storage

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

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