

## APEX1 monoclonal antibody

Catalog: MB22336

Host: Mouse

Reactivity: Human,Rat,Monkey

### BackGround:

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. Splice variants have been found for this gene; all encode the same protein.

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

35.6kDa

### Swiss-Prot:

P27695

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 FC:1/200 - 1/400

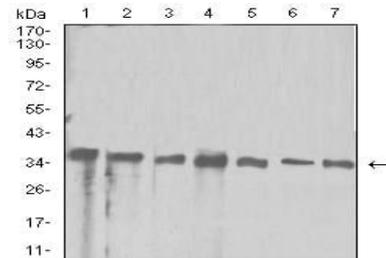
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

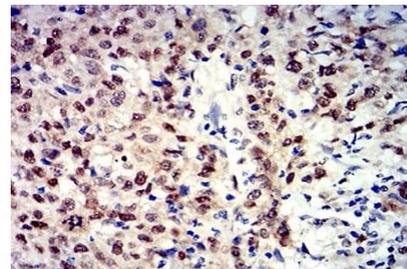
### Isotype:

Mouse IgG1

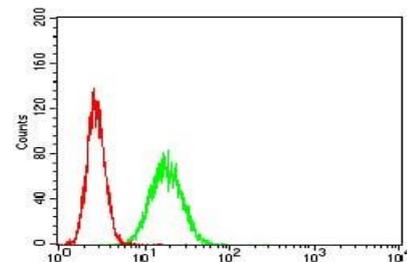
### DATA:



Western blot analysis using APEX1 mouse mAb against HeLa (1), Jurkat (2), SW480 (3), A431 (4), HepG2 (5), NIH/3T3 (6), and PC-12 (7) cell lysate.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissues using APEX1 mouse mAb with DAB staining.



Flow cytometric analysis of HeLa cells using APEX1 mouse mAb (green) and negative control (red).

### Note:

For research use only, not for use in diagnostic procedure.

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