Product Name: APEX1 Mouse Monoclonal Antibody
Catalog #: AMM81854
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA,FC
Reactivity	Human,Rat,Monkey
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	35.6kDa

Antigen Information

Gene Name	APEX1
Alternative Names	APE; APX; APE1; APEN; APEX; HAP1; REF1
Gene ID	328.0
SwissProt ID	P27695
Immunogen	Purified recombinant fragment of human APEX1 (AA: 219-318) expressed in E. Coli.

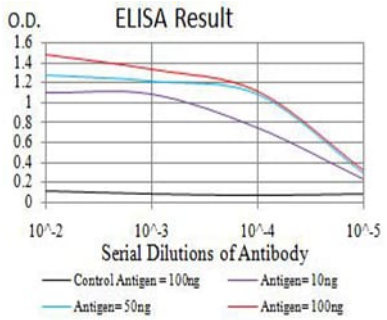
Background

Apurinic/apyrimidinic (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

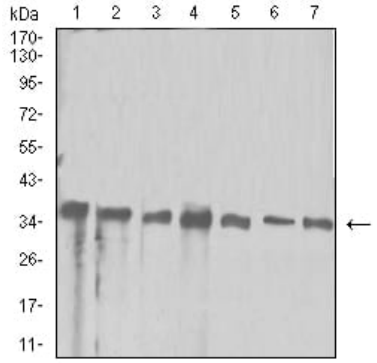
backbone 5' to the AP site. This gene encodes the major AP endonuclease in human cells. Splice variants have been found for this gene; all encode the same protein.

Research Area

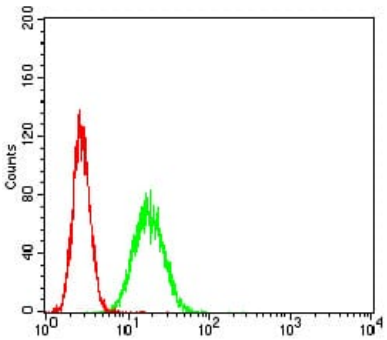
Image Data



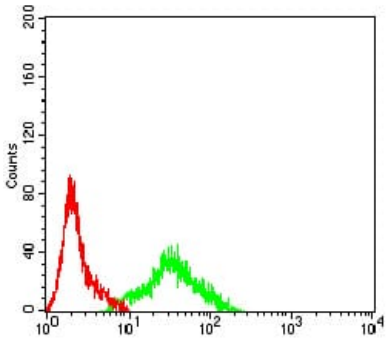
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



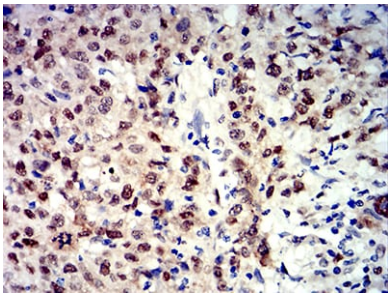
Western blot analysis using APEX1 mouse mAb against Hela (1), Jurkat (2), SW480 (3), A431 (4), HepG2 (5), NIH/3T3 (6), and PC-12 (7) cell lysate.



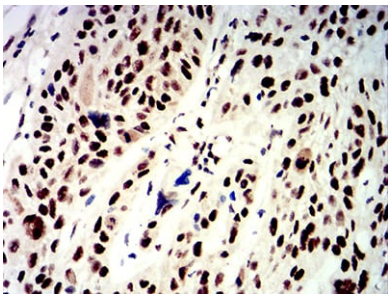
Flow cytometric analysis of HeLa cells using APEX1 mouse mAb (green) and negative control (red).



Flow cytometric analysis of SK-N-SH cells using APEX1 mouse mAb (green) and negative control (red).



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



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