Product Name: APE1 Rabbit Monoclonal Antibody
Catalog #: AMRe01660
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC/IF
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.51mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200
Molecular Weight	Calculated MW: 36 kDa; Observed MW: 36 kDa

Antigen Information

Gene Name	APEX1
Alternative Names	APEX1; APE; APE1; APEX; APX; HAP1; REF1; DNA-(apurinic or apyrimidinic site) lyase; APEX nuclease; APEN; Apurinic-apyrimidinic endonuclease 1; AP endonuclease 1; APE-1; REF-1; Redox factor-1
Gene ID	328
SwissProt ID	P27695
Immunogen	Recombinant protein of human APE1

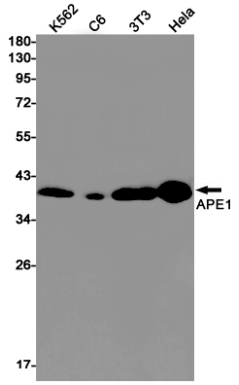
Background

Ape1 initiates the repair of abasic sites and is essential for the base excision repair (BER) pathway. Repair activities of Ape1 are stimulated by interaction with XRCC1, another essential protein in BER. Ape1 functions as a redox factor that maintains transcription factors in an active, reduced state but can also function in a redox-independent manner as a transcriptional cofactor to control different cellular fates such as apoptosis, proliferation and differentiation.

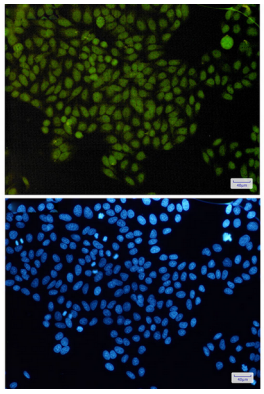
Research Area

Epigenetics and Nuclear Signaling

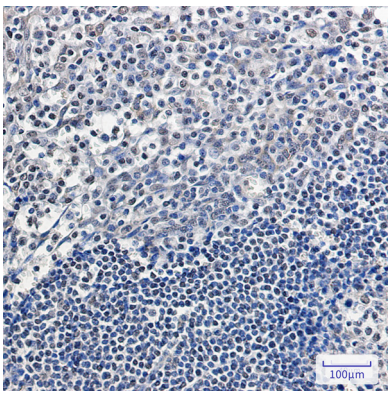
Image Data



Western blot analysis of APE1 in K562, C6, 3T3, Hela lysates using APE1 antibody.



Immunocytochemistry analysis of APE1(green) in Hela using APE1 antibody,and DAPI(blue)



Immunohistochemistry analysis of paraffin-embedded Human tonsil using APE1 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.