BT LAB
Bioassay Technology Laboratory
Optimize Your Research

Ref-1 (Acetyl Lys7) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP07733
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized Acetyl-peptide derived from human APE1 around the Acetylation site of Lys7. AA range:1-50
Mol wt	35555
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Ref-1 (Acetyl Lys7) Antibody
Synonyms	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

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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. APEX1 encodes the major AP endonuclease in human cells. Splice variants have been found for APEX1; all encode the same protein.

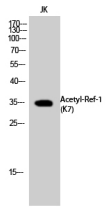
Recommended Dilution

WB: 1: 500 - 1: 2000

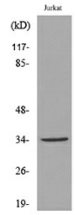
ELISA: 1: 20000

Not yet tested in other applications.

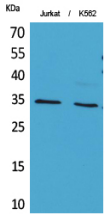
Images



Western Blot analysis of JK cells using Acetyl-Ref-1 (K7) Polyclonal Antibody. Secondary antibody was diluted at 1:20000



Western blot analysis of lysate from Jurkat cells, using APE1 (Acetyl-Lys7) Antibody.



Western Blot analysis of Jurkat, K562 cells using Acetyl-Ref-1 (K7) Polyclonal Antibody. Secondary antibody was diluted at 1:20000

Storage

-20°C for one year

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