

Catalog Number	PA-RR 000019
Batch Number(s):	PA-B-0001-RR-APE1
Product Name	Rabbit anti-Human APE1 Recombinant Monoclonal (BLR052P)

PRODUCT SPECIFICATION

Host	Rabbit
Colonicity	Recombinant Monoclonal
Subclass	IgG
Immunogen	APE1 Protein in a region between residue 99 and 149, referencing both Uniprot ID P27695 and Gene ID 328
Conjugate	Unconjugated
Form	Liquid
Concentration	1.00 mg/mL
Purification	Affinity chromatography
Storage Buffer	Phosphate Buffer Saline, 10mM, pH 7.4
Preservative	Azide
Cryopreservative	Glycerol
Storage conditions	4°C. Avoid freeze/thaw cycles

APPLICATIONS

Western Blotting	1:250-1:1000
Immunocytochemistry / Microscopy	1:250-1:1000

PRODUCT DESCRIPTION

Mammalian APE/ref-1 is a multifunctional enzyme involved in DNA repair and cellular regulation. It fixes abasic DNA sites and controls redox activity affecting signaling, transcription factors, the cell cycle, and apoptosis. Abasic sites arise from spontaneous loss or damage caused by radiation, chemicals, or oxidative stress. APE expression varies by tissue and conditions, increases in hypoxia recovery and some cancers, and decreases during apoptosis.

Uniprot ID	P27695
Gene ID	328
Gene Symbol	APE1
Gene Aliases	APE; APE1; APEN; APEX; APX; HAP1; REF-1; REF1

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