

Datasheet for ABIN7467961 **anti-APEX1 antibody**

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Overview

Quantity:	100 µL
Target:	APEX1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This APEX1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Full length human APE1 purified from E. coli
Clone:	2104
Isotype:	IgG1
Cross-Reactivity:	Human, Mouse
Purification:	Protein G purified

Target Details

Target:	APEX1
Alternative Name:	apurinic/apyrimidinic endodeoxyribonuclease 1 (APEX1 Products)
Background:	Synonyms: apurinic/apyrimidinic endodeoxyribonuclease 1 , APE , APE1 , APEN , APEX , APX , HAP1 , REF1

Target Details

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. [provided by RefSeq, Jul 2008]

Molecular Weight: 36 kDa

Gene ID: 328

UniProt: [P27695](#)

Pathways: [DNA Damage Repair](#), [Chromatin Binding](#), [Cell RedoxHomeostasis](#), [Smooth Muscle Cell Migration](#), [Positive Regulation of Response to DNA Damage Stimulus](#)

Application Details

Application Notes: WB: 1:1000. IHC-P: 1:5000. ELISA: 1:1000-1:10000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: HepG2, HeLa, Raji whole cell lysates

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PBS pH 7.2, No Preservative

Preservative: Without preservative

Storage: 4 °C, -20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.