

Datasheet for ABIN1885631
anti-APEX1 antibody (AA 1-15)



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Overview

Quantity:	100 µL
Target:	APEX1
Binding Specificity:	AA 1-15
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APEX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Synthetic peptide contain a sequence corresponding to a region within amino acids 1 and 15 of APE1
Purification:	Affinity purified by Protein A.

Target Details

Target:	APEX1
Alternative Name:	APE1 (APEX1 Products)
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

Target Details

	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] Synonyms: APE, APE-1, APE1, APEN, APEX, APX, HAP1, REF-1, REF1
Molecular Weight:	36 kDa
Gene ID:	328
NCBI Accession:	NP_001632 , NM_001641
Pathways:	DNA Damage Repair , Chromatin Binding , Cell Redox Homeostasis , Smooth Muscle Cell Migration , Positive Regulation of Response to DNA Damage Stimulus

Application Details

Application Notes:	Suggested dilutions: Western blotting: 1.500-1.3000 Immunofluorescence: 1.100-1.200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	0.1 M Tris-buffered saline with 10 % Glycerol (pH 7.0). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	Biohazard Informations: This product contains thimerosal which is hazardous.
Storage:	4 °C/-20 °C
Storage Comment:	Store at -20 °C for long term preservation (recommended). Store at 4 °C for short term use.