

Datasheet for ABIN686098 **anti-APEX1 antibody (Cy7)**

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Overview

Quantity:	100 µL
Target:	APEX1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APEX1 antibody is conjugated to Cy7
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human APEX1
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Pig, Chicken
Purification:	Purified by Protein A.

Target Details

Target:	APEX1
Alternative Name:	Ref1/Apex1 (APEX1 Products)
Background:	Synonyms: mitochondrial, AP endonuclease 1, Ape1, AP endonuclease class I, AP lyase, APE 1, APE, APE-1, APEN, APEX 1, APEX, APEX nuclease multifunctional DNA repair enzyme 1, Apex nuclease 1, APEX nuclease, APEX1, APEX1_HUMAN, Apurinic endonuclease, Apurinic-apyrimidinic endonuclease 1, Apurinic/apyrimidinic abasic endonuclease, Apurinic/apyrimidinic

Target Details

endonuclease 1, Apurinic/aprimidinic exonuclease, APX, BAP1, Deoxyribonuclease apurinic or apyrimidinic, DNA apurinic or apyrimidinic site lyase, DNA-apurinic or apyrimidinic site lyase, DNA-apurinic or apyrimidinic site lyase, mitochondrial, EC 4.2.99.18, HAP 1, HAP1, Human Apurinic endonuclease 1, Apurinic/Apyrimidic eEndonuclease 1, MGC139790, Multifunctional DNA repair enzyme, Redox effector factor 1, Redox factor 1, Redox factor-1, REF 1, REF 1 protein, REF-1, REF1, REF1 protein.

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. 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].

Gene ID: 328

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

Application Details

Application Notes: IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months