

Datasheet for ABIN2805881

## anti-APEX1 antibody (AbBy Fluor® 594)



[Go to Product page](#)

### Overview

|              |                                                      |
|--------------|------------------------------------------------------|
| Quantity:    | 100 µL                                               |
| Target:      | APEX1                                                |
| Reactivity:  | Human, Mouse, Rat                                    |
| Host:        | Rabbit                                               |
| Clonality:   | Polyclonal                                           |
| Conjugate:   | This APEX1 antibody is conjugated to AbBy Fluor® 594 |
| 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 ( <a href="#">APEX1 Products</a> )                                                                                                                                                                                                                                                                                                                |
| 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-apurimidine endonuclease 1, Apurinic/apurimidine abasic endonuclease, Apurinic/apurimidine |

## Target Details

endonuclease 1, Apurinic/apyrimidinic 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

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Expiry Date: 12 months