

Datasheet for ABIN1893398  
**anti-APEX1 antibody (AA 1-242)**



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1 Image

## Overview

|                      |                                                                                                                                                                   |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 50 µL                                                                                                                                                             |
| Target:              | APEX1                                                                                                                                                             |
| Binding Specificity: | AA 1-242                                                                                                                                                          |
| Reactivity:          | Human                                                                                                                                                             |
| Host:                | Mouse                                                                                                                                                             |
| Clonality:           | Monoclonal                                                                                                                                                        |
| Conjugate:           | This APEX1 antibody is un-conjugated                                                                                                                              |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF),<br>Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS) |

## Product Details

|               |                                                                                                                                                                     |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Brand:        | IHC-plus™                                                                                                                                                           |
| Immunogen:    | Human recombinant protein fragment corresponding to amino acids 1-242 of human APEX1 (NP_001632) produced in E. coli.<br><br>Type of Immunogen: Recombinant protein |
| Clone:        | 2A4                                                                                                                                                                 |
| Isotype:      | IgG2a                                                                                                                                                               |
| Specificity:  | Human APEX1 / APE1                                                                                                                                                  |
| Purification: | Protein A/G purified                                                                                                                                                |

## Target Details

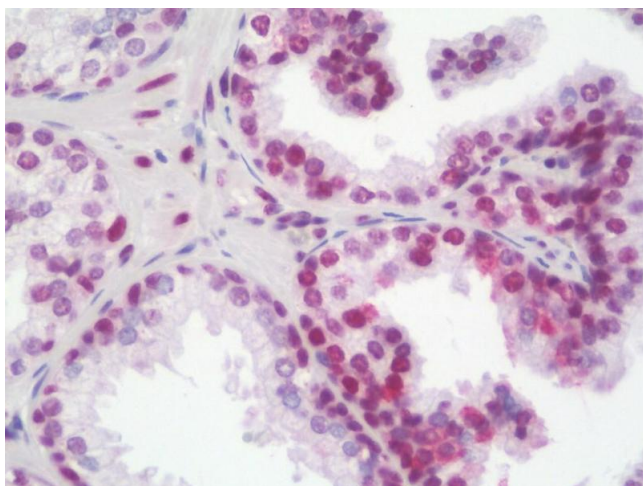
|                   |                                                                                                                                                                                                                                       |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | APEX1                                                                                                                                                                                                                                 |
| Alternative Name: | APEX1 / APE1 ( <a href="#">APEX1 Products</a> )                                                                                                                                                                                       |
| Background:       | Name/Gene ID: APEX1<br><br>Synonyms: APEX1, AP endonuclease class I, AP lyase, APE, APE-1, APEN, APE1, APEX nuclease, Redox factor-1, AP endonuclease 1, APEX, APX, Protein REF-1, REF-1, REF1                                        |
| Gene ID:          | 328                                                                                                                                                                                                                                   |
| NCBI Accession:   | <a href="#">NP_001632</a>                                                                                                                                                                                                             |
| Pathways:         | <a href="#">DNA Damage Repair</a> , <a href="#">Chromatin Binding</a> , <a href="#">Cell RedoxHomeostasis</a> , <a href="#">Smooth Muscle Cell Migration</a> , <a href="#">Positive Regulation of Response to DNA Damage Stimulus</a> |

## Application Details

|                    |                                                                       |
|--------------------|-----------------------------------------------------------------------|
| Application Notes: | Approved: Flo (1:100), IF (1:100), IHC, IHC-P (10 µg/mL), WB (1:2000) |
| Comment:           | Target Species of Antibody: Human                                     |
| Restrictions:      | For Research Use only                                                 |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | Lot specific                                                                                                           |
| Buffer:            | PBS, pH 7.3, 1 % BSA, 50 % glycerol, 0.02 % sodium azide                                                               |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice:   | Minimize freezing and thawing.                                                                                         |
| Storage:           | -20 °C                                                                                                                 |
| Storage Comment:   | Store at -20°C. Avoid freeze-thaw cycles.                                                                              |



#### Immunohistochemistry

**Image 1.** Anti-APEX1 / APE1 antibody IHC staining of human prostate. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.