

Datasheet for ABIN7265650  
**anti-APEX1 antibody**



[Go to Product page](#)

2 Images

## Overview

|              |                                                   |
|--------------|---------------------------------------------------|
| Quantity:    | 100 µL                                            |
| Target:      | APEX1                                             |
| Reactivity:  | Human                                             |
| Host:        | Rabbit                                            |
| Clonality:   | Monoclonal                                        |
| Conjugate:   | This APEX1 antibody is un-conjugated              |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

## Product Details

|                   |                                                           |
|-------------------|-----------------------------------------------------------|
| Purpose:          | APEX1/APE1 Rabbit mAb                                     |
| Immunogen:        | A synthesized peptide derived from human APEX1/APEX1/APE1 |
| Isotype:          | IgG                                                       |
| Cross-Reactivity: | Human, Mouse, Rat                                         |
| Characteristics:  | Monoclonal Antibodies                                     |
| Purification:     | Affinity purification                                     |

## Target Details

|                   |                                                                                               |
|-------------------|-----------------------------------------------------------------------------------------------|
| Target:           | APEX1                                                                                         |
| Alternative Name: | APEX1 ( <a href="#">APEX1 Products</a> )                                                      |
| Background:       | Apurinic/apyrimidinic (AP) sites occur frequently in DNA molecules by spontaneous hydrolysis, |

## Target Details

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],APE, APE1, APEN, APEX, APX, HAP1, REF1,Cardiovascular,DNA Damage & Repair,Epigenetics & Nuclear Signaling,Heart,Heart\_Cardiogenesis,Transcription Factors,APEX1

Molecular Weight: 36kDa

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,1:500 - 1:2000,IHC,1:50 - 1:200

Restrictions: For Research Use only

## Handling

Format: Liquid

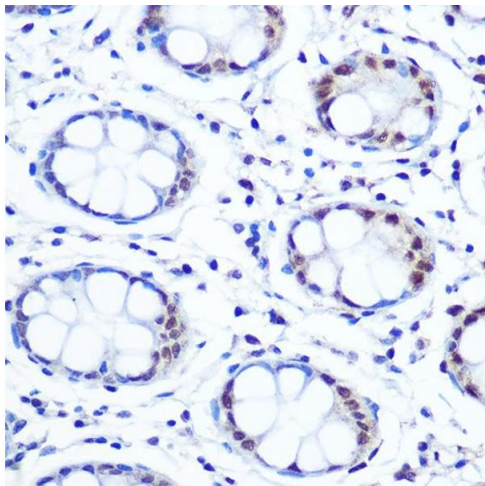
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

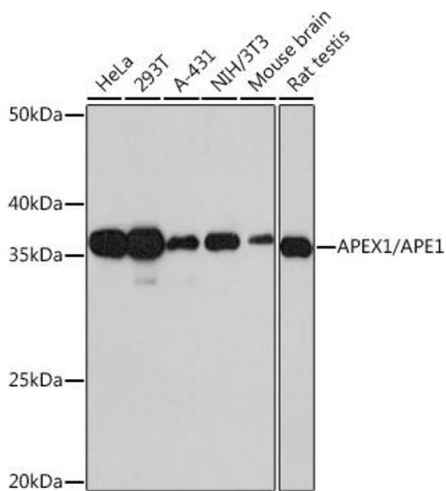
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



**Immunohistochemistry**

**Image 1.** Immunohistochemistry of paraffin-embedded human colon using // Rabbit mAb (ABIN7265650) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



**Western Blotting**

**Image 2.** Western blot analysis of extracts of various cell lines, using // Rabbit mAb (ABIN7265650) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.