

## Catalog #: 50163

### Aliases

APE; APE1; APEX; APX; HAP1; REF1; DNA-(apurinic or apyrimidinic site) lyase; APEX nuclease; APEN; Apurinic-apyrimidinic endonuclease 1; AP endonuclease 1; APE-1; REF-1; Redox factor-1

### Background

Gene Name: APEX1

NCBI Gene Entry: [328](#)

UniProt Entry: [P27695](#)

### Application Information

Molecular Weight: Predicted, 35 kDa; observed, 37 kDa

Clonality: Rabbit polyclonal antibody

Species Reactivity: Human, rat, bovine, pig

Applications Tested: Western blotting (WB), immunohistochemistry (IHC)

### Immunogen

A synthesized peptide derived from human APE1

### Isotype

Rabbit IgG

### Storage Buffer

Supplied in PBS (pH 7.3) containing 30% glycerol, and 0.01% sodium azide.

### Storage

Store at -20 °C for one year.

### Recommended Dilutions

Western Blotting (WB): 1:500-1:1,000

Immunohistochemistry (IHC): 1:100-1:200

**Note:** This product is for research use only.

### Validation Data

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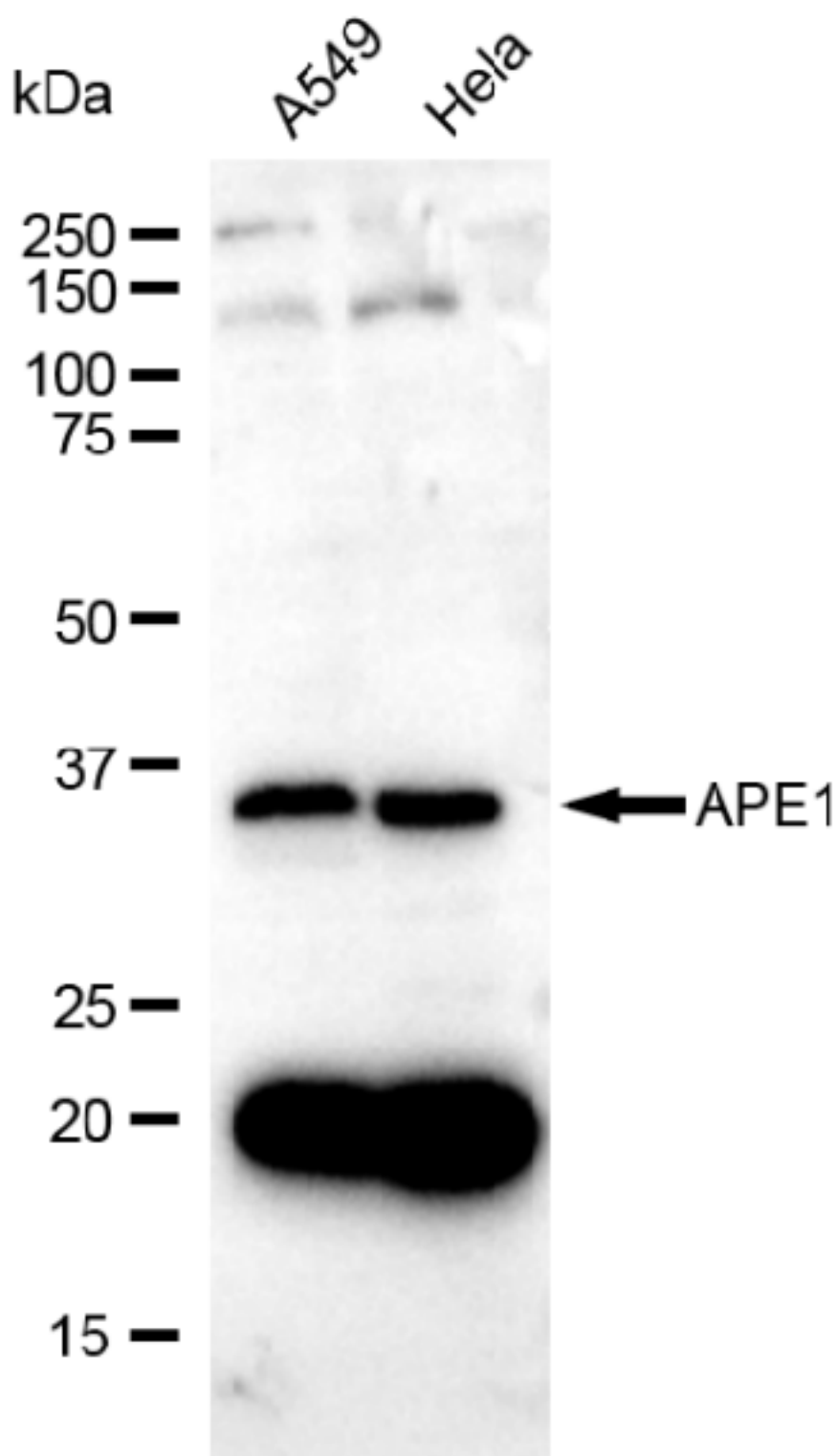
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Western blotting analysis using anti-APE1 antibody (Cat#50163). Total lysates (30  $\mu$ g) were loaded and separated by SDS-PAGE. The blot was incubated with anti-APE1 antibody (Cat#50163, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

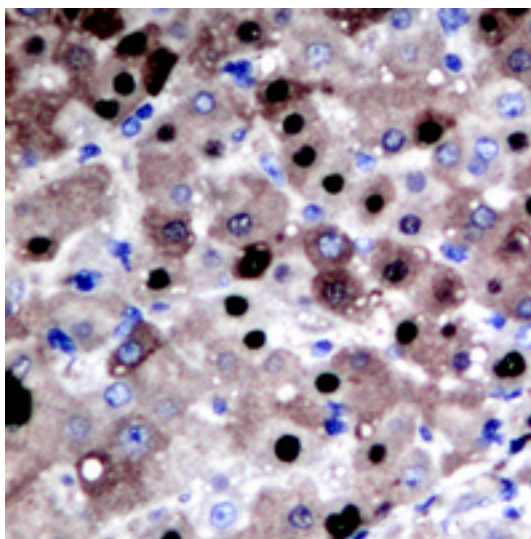
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Immunohistochemical analysis of APE1 staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.