

# Ref-1 Polyclonal Antibody

### Description

Product type Primary Antibody

Code BT-AP07735

**Host** Rabbit

Isotype IgG

**Size** 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human APEX1. AA range:191-240

Mol wt 35555

Species reactivity Human, Mouse, Rat

**Clonality** Polyclonal

Recommended application WB, IHC-p, ELISA

Concentration 1 mg/ml

Full name Ref-1 Antibody

Synonyms APEX1; 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-

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This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

#### Background

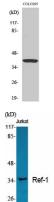
Apurinic/apyrimidinic (AP) sites occur frequently in DNA molecules by spontaneous hydrolysis, by DNA damaging agents or by DNA glycosylases that remove specific abnormal bases. AP sites are pre-mutagenic lesions that can prevent normal DNA replication so the cell contains systems to identify and repair such sites. Class II AP endonucleases cleave the phosphodiester backbone 5' to the AP site. APEX1 encodes the major AP endonuclease in human cells. Splice variants have been found for this gene; all encode the same protein.

## Recommended Dilution

WB: 1: 500 - 1: 2000 IHC: 1: 100 - 1: 300 ELISA: 1: 10000

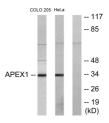
Not yet tested in other applications.

#### **Images**



Western Blot analysis of HeLa cells using Ref-1 Polyclonal Antibody diluted at 1:2000

Western Blot analysis of various cells using Ref-1 Polyclonal Antibody diluted at 1:2000



Western blot analysis of lysates from COLO205 and HeLa cells, using APEX1 Antibody. The lane on the right is blocked with the synthesized peptide.

## Storage

-20°C for one year

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