

Datasheet for ABIN358027

anti-APEX1 antibody (N-Term)**3** Images[Go to Product page](#)

Overview

Quantity:	0.4 mL
Target:	APEX1
Binding Specificity:	AA 40-70, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APEX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 40~70 amino acids from the N-terminal region of Human APEX1 . Genename: APEX1
Isotype:	Ig Fraction
Specificity:	This antibody detects APEX1 / REF-1 (N-term).
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	APEX1
Alternative Name:	APEX1 / REF-1 (APEX1 Products)
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 protein is the major AP endonuclease in human cells. Synonyms: APE, APEN, APEX, APEX nuclease, APX, Apurinic-apyrimidinic endonuclease 1, HAP1, Protein REF-1, REF1

Molecular Weight: 35555 Da

Gene ID: 328, 9606

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: ELISA: 1/1,000. Western Blot: 1/50-1/100.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS with 0.09 % (W/V) Sodium Azide as preservative.

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: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

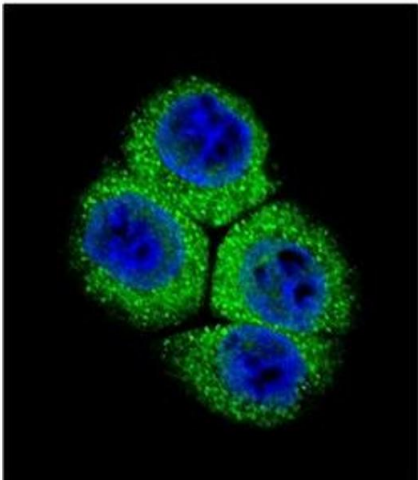


Image 1.

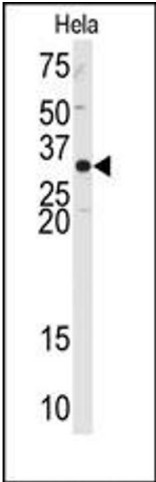


Image 2.

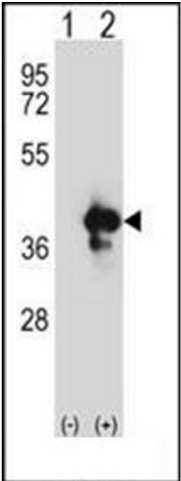


Image 3.