



[Go to Product page](#)

Datasheet for ABIN5518737
anti-APEX2 antibody (AA 102-210)

1 Image

Overview

Quantity:	100 µg
Target:	APEX2
Binding Specificity:	AA 102-210
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for DNA-(apurinic or apyrimidinic site) lyase 2(APEX2) detection. Tested with WB in Human,Rat.
Immunogen:	E.coli-derived human APEX2 recombinant protein (Position: L102-A210). Human APEX2 shares 91.7% amino acid (aa) sequence identity with mouse APEX2.
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: human No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.
Characteristics:	Rabbit IgG polyclonal antibody for DNA-(apurinic or apyrimidinic site) lyase 2(APEX2) detection. Tested with WB in Human,Rat. Gene Name: APEX nuclease (apurinic/apyrimidinic endonuclease) 2

Product Details

Protein Name: DNA-(apurinic or apyrimidinic site) lyase 2

Purification: Immunogen affinity purified.

Target Details

Target: APEX2

Alternative Name: APEX2 ([APEX2 Products](#))

Background: APEX2, also called apurinic/apyrimidinic endonuclease like-2, is a member of the apurinic/apyrimidinic (AP) family of endonucleases that initiate the repair of AP sites formed by spontaneous hydrolysis of the N-glycosylic bond, mutagen-induced base release, or damaged-base excision by a DNA repair glycosylase. RT-PCR detected APEX2 expression in HeLa cells, Jurkat cells, and human kidney, brain and fetal brain tissue. The APEX2 gene is mapped to chromosome Xp11.21. APEX2 participates in both nuclear and mitochondrial base excision repair (BER) and it can play a role in processing 3-prime-damaged termini or 3-prime-mismatched nucleotides. Additionally, APEX2 displayed weaker AP site-specific and 3-prime nuclease activities compared to APEX1.

Synonyms: AP endonuclease XTH2 | APE2 | APE2 | XTH2 | APEX nuclease-like 2 | APEX2 | APEXL 2 | APEXL2 | Q9UBZ4 | XTH 2

Gene ID: 27301

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Rat, Predicted Species: Human
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities.
Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Handling

Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg 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.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot analysis of APEX2 expression in rat kidney extract (Lane 1). APEX2 at 57KD was detected using rabbit anti- APEX2 Antigen Affinity purified polyclonal antibody (Catalog #) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).