

# APEX2 Polyclonal Antibody

Catalog No: #29732



Package Size: #29732-1 50ul #29732-2 100ul

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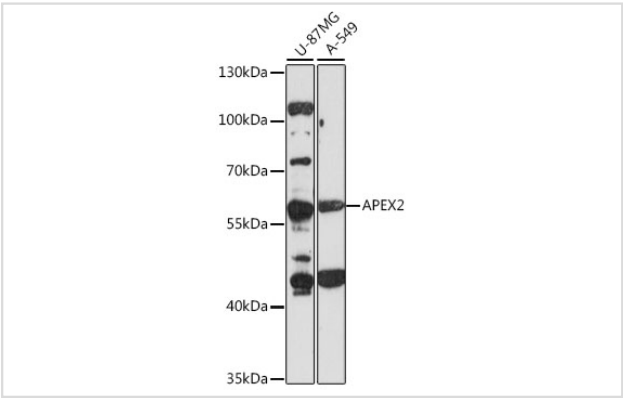
## Description

Product Name	APEX2 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Human
Immunogen Description	Recombinant fusion protein of human APEX2 (NP_055296.2).
Other Names	APEX2; APE2; APEXL2; XTH2; ZGRF2; DNA-(apurinic or apyrimidinic site) lyase 2
Accession No.	Swiss-Prot#:Q9UBZ4NCBI Gene ID:27301
Uniprot	Q9UBZ4
GeneID	27301;
Calculated MW	57kDa
Formulation	Avoid freeze / thaw cycles. Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

## Application Details

WB 1:500 - 1:2000

## Images



Western blot analysis of extracts of various cell lines, using APEX2 at 1:1000 dilution.

## 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. This gene encodes a protein shown to have a weak class II AP endonuclease activity. Most of the encoded protein is located in the nucleus but some is also present in mitochondria. This

protein may play an important role in both nuclear and mitochondrial base excision repair. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

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Note: This product is for in vitro research use only