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## Datasheet for ABIN5515372 **anti-APEX2 antibody (C-Term)**

### Overview

Quantity:	100 µL
Target:	APEX2
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APEX2 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human APEX2
Sequence:	LMTPKTPEEK AVAKVWKGQA KTSEAKDEKE LRTSFWKSVL AGPLRTPLCG
Predicted Reactivity:	Cow: 85%, Horse: 93%, Human: 100%, Rat: 77%
Purification:	Affinity purified

### Target Details

Target:	APEX2
Alternative Name:	APEX2 ( <a href="#">APEX2 Products</a> )
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

## Target Details

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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.

Alias Symbols: APE2, XTH2, ZGRF2, APEXL2

Protein Interaction Partner: UBC, PDE12, APP, NEDD4L, CCDC85B, NINL, HOOK2, PGR, CALCOCO2, TRIM37, EFEMP2, TRAF2, PCNA,

Protein Size: 518

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Gene ID:	27301
NCBI Accession:	<a href="#">NM_014481</a> , <a href="#">NP_055296</a>
UniProt:	<a href="#">Q9UBZ4</a>

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## Application Details

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Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

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## Handling

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Format:	Liquid
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

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