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Product datasheet for TA358877

APEX2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human APEX2
Specificity:	**Expected reactivity**: Human **Homology**: Cow: 85%; Horse: 93%; Human: 100%; Rat: 77%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	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.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	57 kDa
Gene Name:	apurinic/apyrimidinic endodeoxyribonuclease 2
Database Link:	NP_055296 Entrez Gene 27301 Human Q9UBZ4

View online »

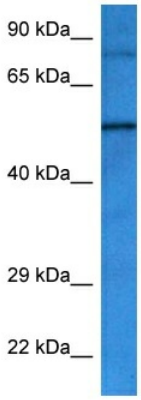
Background: Apurinic/apyrimidinic (AP) sites occur frequently in DNA molecules by spontaneous hydrolysis, by DNA damaging agents or by DNA glycosylases that remove specific abnormal bases. AP sites are pre-mutagenic lesions that can prevent normal DNA replication so the cell contains systems to identify 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.

Synonyms: APE2; APEXL2; XTH2

Protein Families: Druggable Genome

Protein Pathways: Base excision repair

Product images:



Host: Rabbit
Target Name: APEX2
Sample Type: Testicular Tumor Lysate
Antibody Dilution: 1.0µg/ml

Host: Rabbit
Target Name: APEX2
Sample Tissue: Human Testicular Tumor lysates
Antibody Dilution: 1ug/ml