



APEX2 rabbit pAb

Cat No.:ES18299

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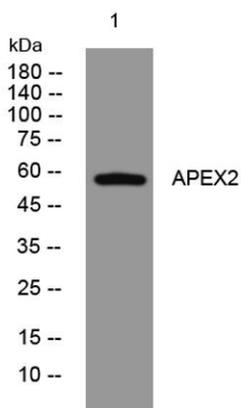
Overview

Product Name	APEX2 rabbit pAb
Host species	Rabbit
Applications	WB
Species Cross-Reactivity	Human; Mouse
Recommended dilutions	WB 1: 500-2000
Immunogen	Synthesized peptide derived from human APEX2 AA range: 196-246
Specificity	This antibody detects endogenous levels of APEX2 at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	APEX2
Gene Name	APEX2 APE2 APEXL2 XTH2
Cellular localization	Nucleus. Cytoplasm. Mitochondrion . Together with PCNA, is redistributed in discrete nuclear foci in presence of oxidative DNA damaging agents.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	27301
Human Swiss-Prot Number	Q9UBZ4
Alternative Names	
Background	Apurinic/aprimidinic (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. [provided by RefSeq, Nov 2012],



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night

