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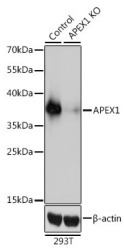
(KO Validated) APEX1 Polyclonal Antibody

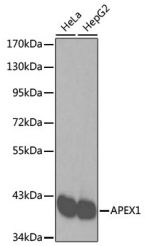
Catalog No.	E-AB-65409	**Reactivity**	H
Storage	Store at -20°C. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	WB,IF	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

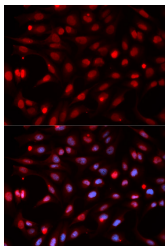
Images



Western blot analysis of extracts from normal (control) and APEX1 knockout (KO) 293T cells using APEX1 Polyclonal Antibody at dilution of 1:3000.



Western blot analysis of extracts of various cell lines using APEX1 Polyclonal Antibody.



Immunofluorescence analysis of HeLa cells using APEX1 Polyclonal Antibody

Immunogen Information

Immunogen	Recombinant fusion protein of human APEX1 (NP_542380.1).
GeneID	328
Swissprot	P27695
Synonyms	APEX1,APE,APE1,APEN,APEX,APX,HAP1,REF1

Product Information

Calculated MW	35kDa
Observed MW	39kDa
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purify	Affinity purification
Dilution	WB 1:500-1:2000 IF 1:50-1:100

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 the major AP endonuclease in human cells. Splice variants have been found for this gene; all encode the same protein.