

APE1 Monoclonal Antibody (13B 8E5C2)

Product Details

Size	100 µL
Species Reactivity	Dog, Human, Mouse, Non-human primate, Rat
Published Species	Human
Host/Isotope	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	13B 8E5C2
Conjugate	Unconjugated
Immunogen	Full-length recombinant human APE protein.
Form	Liquid
Concentration	1 mg/mL
Purification	purified
Storage buffer	PBS
Contains	0.05% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_325426

Applications	Tested Dilution	Publications
ChIP assay (ChIP)	1.5 µg/10 ⁶ cells	-
Flow Cytometry (Flow)	2-5 µg/mL	-
Immunocytochemistry (ICC)	1:50-1:500	-
Immunofluorescence (IF)	1:50-1:500	-
Immunohistochemistry (Frozen) (IHC (F))	1/5000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:1000	-
Immunoprecipitation (IP)	5 µg	-
Western Blot (WB)	1:1,000	-
Immunohistochemistry (IHC)	-	1 Publication

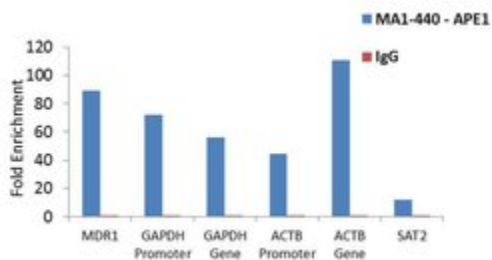
Product Specific Information

MA1-440 detects apurinic/aprimidinic endonuclease (APE/ref-1) from human, non human primate, canine, mouse and rat samples.

MA1-440 has been successfully used in Western blot, immunohistochemical, flow cytometry and immunoprecipitation procedures. By Western blot, this antibody detects a 36 kDa protein representing APE/ref-1 in HeLa cell lysate. Immunohistochemical staining of APE/ref-1 in a variety of normal and cancerous human tissues, including ovaries, cervix, prostate, germ cell tumors, osteosarcomas, and rhabdosarcomas, with MA1-440 yields a staining pattern consistent with nuclear staining.

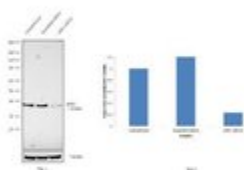
The MA1-440 immunogen is full-length, recombinant human APE protein.

Advanced Verification Data



APE1 Antibody (MA1-440)

Antibody specificity was demonstrated by detection of enrichment of the target protein at specific gene loci. Chromatin Immunoprecipitation (ChIP) was performed using Anti-APE1 Mouse Monoclonal Antibody (Product # MA1-440) using PCR primer pairs over MDR1, GAPDH promoter and gene, ACTB promoter and gene (active) and SAT2 satellite repeats (inactive). Relative expression validation info.

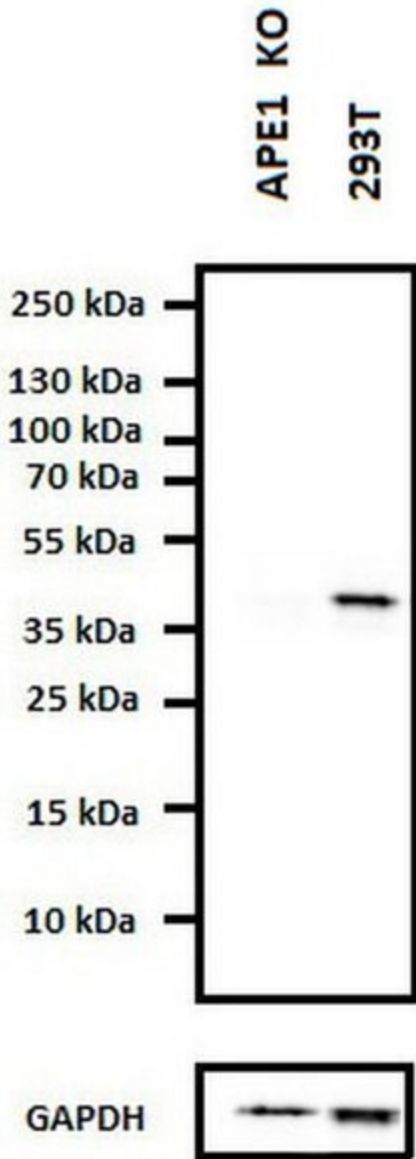


APE1 Antibody (MA1-440)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with APE1 siRNA and reduction of signal was observed in Western Blot using APE1 Monoclonal Antibody (13B 8E5C2) (Product # MA1-440). Knockdown validation info.

APE1 Antibody (MA1-440)

The specificity of anti-APE1 mouse monoclonal antibody (Product # MA1-440) was demonstrated by CRISPR targeted APE1 knockout in 293T cells. Western blot analysis of whole cell lysates using this antibody showed no detection of APE1 protein expression in knockout cells compared to the APE1 protein detected at ~36kDa in wild-type 293T cells. Knockout validation info.



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Immunohistochemistry (1)

Clinical cancer research : an official journal of the American Association for Cancer Research

Studies of apurinic/apyrimidinic endonuclease/ref-1 expression in epithelial ovarian cancer: correlations with tumor progression and platinum resistance.

"MA1-440 was used in immunohistochemistry to investigate the correlations of apurinic/apyrimidinic endonuclease/ref-1 expression with tumor progression and platinum resistance in epithelial ovarian cancer"

Authors: Freitas S,Moore DH,Michael H,Kelley MR

Species
Human

Dilution
1:200

Year
2003

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