

APE1 Polyclonal Antibody

| Product Details | |
|--------------------|--|
| Size | 100 µL |
| Species Reactivity | Human, Mouse, Rat |
| Host/Isotope | Rabbit / IgG |
| Class | Polyclonal |
| Type | Antibody |
| Conjugate | Unconjugated |
| Immunogen | Recombinant fragment corresponding to a region within amino acids 1 and 318 of Human APE1 |
| Form | Liquid |
| Concentration | 1 mg/mL |
| Purification | Antigen affinity chromatography |
| Storage buffer | 0.1M tris glycine, pH 7, with 10% glycerol |
| Contains | 0.01% thimerosal |
| Storage Conditions | Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. |
| RRID | AB_2546633 |

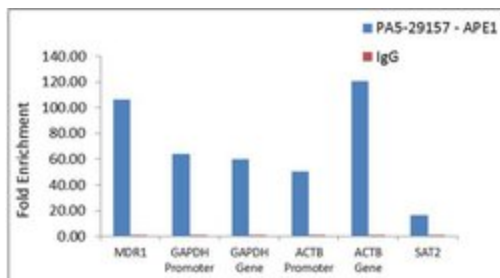
| Applications | Tested Dilution | Publications |
|---|------------------------------|--------------|
| ChIP assay (ChIP) | 1.5 µg/10 ⁶ cells | - |
| Immunocytochemistry (ICC) | 1:100-1:1,000 | - |
| Immunofluorescence (IF) | 1:100-1:1,000 | - |
| Immunohistochemistry (Paraffin) (IHC (P)) | 1:100-1:1000 | - |
| Immunoprecipitation (IP) | 1:100-1:500 | - |
| Western Blot (WB) | 1:500-1:20,000 | - |

Product Specific Information

Recommended positive controls: 293T, A431, HeLa, HepG2, mouse brain, PC-12.

Predicted reactivity: Mouse (94%), Rat (93%), Dog (95%), Pig (94%), Rhesus Monkey (98%), Chimpanzee (99%), Bovine (93%).

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

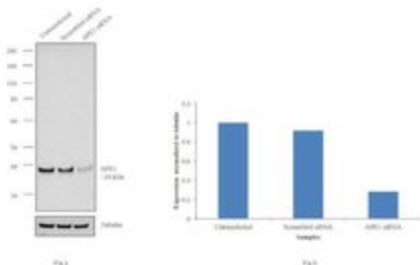


APE1 Antibody (PA5-29157)

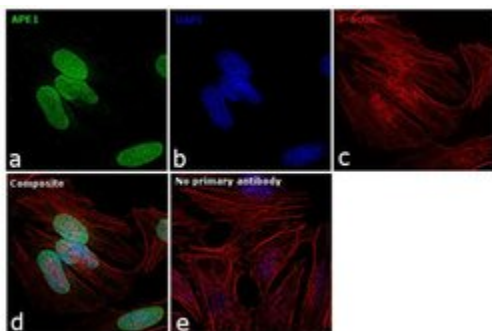
Antibody specificity was demonstrated by detection of enrichment of the target protein at specific gene loci. Chromatin Immunoprecipitation (ChIP) was performed using Anti-APE1 Rabbit Polyclonal Antibody (Product # PA5-29157) using PCR primer pairs over MDR1, GAPDH promoter and gene, ACTB promoter and gene (active) and SAT2 satellite repeats (inactive). Relative expression validation info.

APE1 Antibody (PA5-29157)

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 Polyclonal Antibody (Product # PA5-29157). Knockdown validation info.



Product Images For APE1 Polyclonal Antibody



APE1 Antibody (PA5-29157) in IF

Immunofluorescence analysis APE1 was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with APE1 Polyclonal Antibody (Product # PA5-29157) at 5 microgram/mL in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing nuclear localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

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