

## Datasheet for ABIN3044417

# anti-APEX1 antibody (Middle Region)





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Quantity:	100 μg	
Target:	APEX1	
Binding Specificity:	AA 177-191, Middle Region	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This APEX1 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)	

#### **Product Details**

Floudet Details		
Purpose:	Anti-APE1/APEX1 Antibody Picoband®	
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human APE1, identical to the related rat and mouse sequences.	
Sequence:	RGLVRLEYRQ RWDEA	
Isotype:	IgG	
Cross-Reactivity (Details):	No cross-reactivity with other proteins	
Characteristics:	Anti-APE1/APEX1 Antibody (ABIN3044417). Tested in IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated	

Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human, Rat

Western blot, 0.1-0.5 µg/mL, Human, Mouse, Rat

Immunofluorescence, 5 µg/mL, Human

DNA Damage Repair, Chromatin Binding, Cell RedoxHomeostasis, Smooth Muscle Cell

Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Human, Mouse, Rat

Migration, Positive Regulation of Response to DNA Damage Stimulus

UniProt:

Pathways:

**Application Details** 

Application Notes:

P27695

	1. Akiyama, K., Seki, S., Oshida, T., Yoshida, M. C.Structure, promoter analysis and chromosomal
	assignment of the human APEX gene.Biochim. Biophys. Acta 1219: 15-25, 1994. 2. Chou, KM.,
	Cheng, YC.An exonucleolytic activity of human apurinic/apyrimidinic endonuclease on 3-prime
	mispaired DNA.Nature 415: 655-659, 2002. 3. Robson, C. N., Hochhauser, D., Craig, R., Rack, K.,
	Buckle, V. J., Hickson, I. D.Structure of the human DNA repair gene HAP1 and its localisation to
	chromosome 14q11.2-12.Nucleic Acids Res. 20: 4417-4421, 1992.
nt:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by

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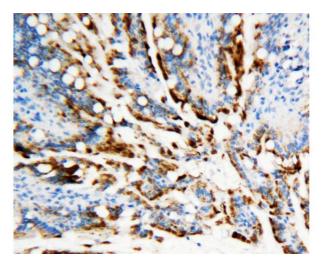
ABIN921231 in IHC(P).

Restrictions:

For Research Use only

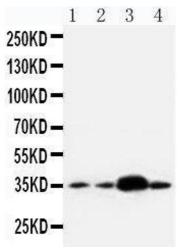
### Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 μg/mL.
Concentration:	500 μg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Thimerosal (Merthiolate) and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Expiry Date:	12 months



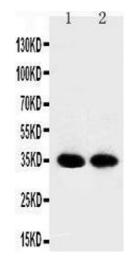
### **Immunohistochemistry**

**Image 1.** Anti-APE1 antibody, IHC(P) IHC(P): Rat Intestine Tissue



### **Western Blotting**

Image 2. Anti-APE1 antibody, Western blotting Lane 1: U87 Cell Lysate Lane 2: A549 Cell Lysate Lane 3: SMMC Cell Lysate Lane 4: HELA Cell Lysate



### **Western Blotting**

Image 3. Anti-APE1 antibody, Western blotting Lane 1: Rat Brain Tissue Lysate Lane 2: Mouse Brain Tissue Lysate