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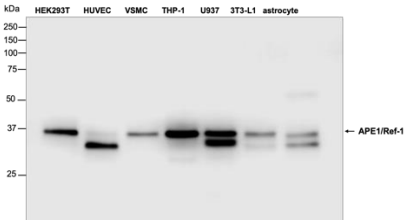
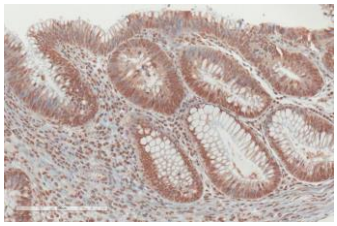
APE1/Ref-1 polyclonal Antibody

Antibody information	
Protein name	APE1/Ref-1, APEX1, APE1, Ref-1
Cat.No	MR-PAAPE
Species reactivity	Human, mouse, Rat
Size	100µg
Concentration	0.5mg/ml
Host	Rabbit
Immunogen	Full-length, Recombinant human APE1/Ref-1 protein
Conjugate	Unconjugated
Form/ storage solution	Liquid, 50% glycerol in PBS
Molecular weight	36.5 kDa
Purification	Antigen affinity purified
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C Avoid repeated freeze / thaw cycles

Applications	Recommended concentration
Western blot (WB)	1:200 – 1:1000
Immunocytochemistry (ICC)	1:200 – 1:500
Immunohistochemistry (IHC)	1:50 – 1:200
Immunoprecipitation	Assay dependent
ELISA	Assay dependent



Detection of mouse APE1/Ref-1 by western blotting.
Western blot showing lysates of human (HEK293T, HUVEC, and THP-1) and mouse cell lines (VSMC, U937, 3T3L-1, astrocyte). The APE1/Ref-1 band with approximately 36.5kDa was detected.



APE1/Ref-1 in Human colon tissue.
APE1/Ref-1 was detected in a PFA fixed paraffin-embedded section of human colon tissue using an APE1/Ref-1 polyclonal antibodies.

Background/Target Information

Apurinic apyrimidinic endonuclease 1/Redox factor-1 (APE1/Ref-1) is a multifunctional protein; its N-terminal region is involved in redox activity and regulates multiple transcription factors, and its C-terminus is associated with base excision DNA repair activity. APE1/Ref-1 is mainly localized in the nucleus and shows dynamic shuttling between the nucleus and cytoplasm in response to various stress stimuli. Recently, possible extracellular secretion of APE1/Ref-1 was reported.

Note

For Research Use Only. Not for use in diagnostic or therapeutic procedures. This product is not a medical device.

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