

Mouse Monoclonal Antibody to APEX1

Catalogue Number	sAP-1534
Target Molecule	Name: APEX1 Aliases: APE; APX; APE1; APEN; APEX; HAP1; REF1 MW: 35.6kDa Entrez Gene ID: 328
Description	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.
Immunogen	Purified recombinant fragment of human APEX1 (AA: 219-318) expressed in E. Coli.
Reactive Species	Human;Monkey;Rat;
Clone	MM7A2G7
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: N to A; FCM: 1 to 200 - 1 to 400; IHC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Mutat Res Genet Toxicol Environ Mutagen. 2015 Nov;793:19-29. 2. PLoS One. 2015 Dec 1;10(12):e0143289.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**