

Datasheet: VMA00561

BATCH NUMBER 170420

Description:	MOUSE ANTI APEX1
Specificity:	APEX1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	CPTC15
Isotype:	IgG1
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography on Protein G from ascites
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide (NaN ₃)

Stabilisers

Approx. Protein Concentrations IgG concentration 0.5 mg/ml

Immunogen Recombinant protein of human APEX1

External Database Links

UniProt:

[P27695](#) [Related reagents](#)

Entrez Gene:

[328](#) APEX1 [Related reagents](#)

Synonyms APE, APE1, APEX, APX, HAP1, REF1

Specificity

Mouse anti Human APEX1 antibody recognizes the apurinic/aprimidinic endodeoxyribonuclease 1, also known as AP endonuclease class I, AP lyase or protein REF-1.

Apurinic/aprimidinic (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. The APEX1 gene encodes the major AP endonuclease in human cells. Splice variants have been found for this gene; all encode the same protein (provided by RefSeq, Jul 2008).

Mouse anti Human APEX1 antibody detects a band of 36 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Anti APEX1 detects a band of approximately 36 kDa in HEK293 cell lysates

Storage Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Guarantee 12 months from date of despatch

Acknowledgements PrecisionAb is a trademark of Bio-Rad Laboratories.

Health And Safety Information Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00561>
Antibody (10040)

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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