Datasheet: VMA00605

Description:	MOUSE ANTI APEX1
Specificity:	APEX1
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	OTI6E10
Isotype:	IgG2a
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

PrecisionAb antibodies have been extensively validated for the western blot application. The antibody has been validated at the suggested dilution. 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 dependant on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Rat
N.B. Antibody reactivity and working conditions may vary between species.

Product Form

Purified IgG - liquid

Preparation

Mouse monoclonal antibody purified by affinity chromatograpy on Protein A from ascites

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN_3)
1% Bovine Serum Albumin
<50% Glycerol

Immunogen

E. coli-derived recombinant human APEX1 (aa 1-242)

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 apurinic/apyrimidinic endodeoxyribonuclease 1 also known as AP endonuclease class I, AP lyase, deoxyribonuclase, protein REF-1 and redox factor-1 . 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 (provided by RefSeq, Jul 2008). Mouse anti Human APEX1 antibody detects a band of 34 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.
Western Blotting	Mouse anti APEX1 antibody detects a band of approximately 34 kDa in Jurkat cell lysates
Instructions For Use	Please refer to the PrecisionAb western blotting protocol. For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
Shelf Life	As supplied, 12 months from date of despatch
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories
Health And Safety Information	Material Safety Datasheet documentation #10048 available at: Antibody (10048): https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL (MCA929)

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