

Datasheet: VPA00060

Description:	GOAT ANTI APEX1
Specificity:	APEX1
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
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
Product Form	Purified IgG - liquid
Preparation	Goat polyclonal antibody purified by affinity chromatography
Buffer Solution	TRIS buffered saline
Preservative	0.02% Sodium Azide (NaN ₃)
Stabilisers	0.5% Bovine Serum Albumin
Immunogen	Peptide with sequence PKRGKKGAVAEDGD-C from the N terminus of the protein sequence.
External Database Links	<p>UniProt: P27695 Related reagents</p> <p>Entrez Gene: 328 APEX1 Related reagents</p>
Synonyms	APE, APE1, APEX, APX, HAP1, REF1

Specificity **Goat anti Human APEX1 antibody** recognizes apurinic/apyrimidinic endonuclease 1 (APE1), also known as redox effector factor-1 (Ref-1). APEX1 is a 35 kDa multifunctional protein that is

ubiquitously expressed at high basal levels.

APEX1 acts on apurinic/apyrimidinic (AP) sites in DNA as a major member of the base excision repair (BER) pathway and is involved in oxidative DNA damage repair. It is responsible for the maintenance of the cellular proliferative rate, and acts by modulating DNA binding activity of several transcription factors including NFkB, Egr-1, p53, AP-1, CREB, HIF-alpha and members of the Pax family. APEX1 has been shown to regulate hsp90 expression in thyroid cancer cells, in a novel tumorigenic pathway. APEX1 is also required in normal embryonic hematopoiesis.

Goat anti Human APEX1 antibody detects APEX1 as a single band of 35 kDa in a wide range of human cell line lysates tested.

Western Blotting	Goat anti APEX1 detects a band of approximately 35 kDa in Jurkat 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 #10058 available at: Antibody (10058): https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) [HRP](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

'M370464:200529'

Printed on 11 Aug 2020