

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

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
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	UniProt: P27695 Related reagents Entrez Gene: 328 APEX1 Related reagents
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.
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 #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 America	Tel: +1 800 265 7376 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
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