

Datasheet: VPA00060

BATCH NUMBER 190914

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 Stabilisers	0.02% Sodium Azide (NaN ₃) 0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
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 NFκB, 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:
<https://www.bio-rad-antibodies.com/SDS/VPA00060>
Antibody (10058)

Regulatory For research purposes only.

Related Products

Recommended Secondary Antibodies

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

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

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