

Datasheet: VPA00060

**BATCH NUMBER 190914**

<b>Description:</b>	GOAT ANTI APEX1
<b>Specificity:</b>	APEX1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Goat polyclonal antibody purified by affinity chromatography.
<b>Buffer Solution</b>	TRIS buffered saline.
<b>Preservative Stabilisers</b>	0.02% Sodium Azide (NaN <sub>3</sub> ) 0.5% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml
<b>Immunogen</b>	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.

**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](#)

**North & South  
America**

Tel: +1 800 265 7376

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Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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

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