

## Datasheet: AHP1939

<b>Description:</b>	RABBIT ANTI EGR1
<b>Specificity:</b>	EGR1
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µg

## 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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			10ug/ml
ELISA	▪			
Western Blotting	▪			
Functional Assays			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Based on sequence similarity, is expected to react with: Bovine, Chimpanzee, Dog, Rhesus Monkey, Sheep <b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
<b>Product Form</b>	Purified IgG - liquid

**Antiserum Preparation** Antisera to Human EGR1 were raised by repeated immunisation of rabbits with highly

purified antigen. Purified IgG prepared from whole serum by affinity chromatography.

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN <sub>3</sub> )
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	A synthetic peptide sequence corresponding to amino acid 94 - 108 of human EGR1.
External Database Links	<b>UniProt:</b> <a href="#">P18146</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">1958</a> EGR1 <a href="#">Related reagents</a>
Synonyms	KROX24, ZNF225
RRID	AB_2262092
Specificity	<p><b>Rabbit anti EGR1 antibody</b> recognizes human Early Growth Response Protein 1. EGR1 is a ~58 kDa nuclear protein belonging to the EGR family of C2H2-type zinc-finger proteins.</p> <p>EGR1 functions as a transcriptional regulator. The products of target genes it activates are required for differentiation and mitogenesis. Research has also demonstrated that EGR1 expression is elevated in a range of cancers including prostate cancer where EGR1 has been shown to promote the growth of tumor cells.</p>
Histology Positive Control Tissue	Lung small cell carcinoma
References	1. Abu El-Asrar, A.M. <i>et al</i> (2011) Expression of high-mobility groups box-1/receptor for advanced glycation end products/osteopontin/early growth response-1 pathway in proliferative vitreoretinal epiretinal membranes <a href="#">Mol Vis. 2011 Feb 17;17:508-18.</a>
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety	Material Safety Datasheet documentation #10040 available at:

**Information** <https://www.bio-rad-antibodies.com/SDS/AHP193910040>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR54...) [HRP](#)

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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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](https://www.bio-rad-antibodies.com/datasheets)  
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**Printed on 12 Aug 2023**

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