

Datasheet: AHP1186

**BATCH NUMBER 149760**

<b>Description:</b>	RABBIT ANTI SLUG
<b>Specificity:</b>	SLUG
<b>Other names:</b>	SNAI2
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			0.5 - 2.0ug/ml

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Mouse</p> <p><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.</p>
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antisera to human Slug were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.02% Sodium Azide
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	13 amino acid peptide sequence near the centre of human Slug.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">O43623</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">6591</a>    SNAI2    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	SLUG, SLUGH
<b>RRID</b>	AB_2191887
<b>Specificity</b>	<p><b>Rabbit anti Slug antibody</b> detects Slug, a member of the Snail family of zinc finger transcription factors, whose expression is induced by FGF, BMP, and TGF-<math>\beta</math>. Slug is a ~29 kDa transcriptional repressor, which functions by binding to E-box motifs and inhibiting gene expression by recruiting histone deacetylase-1 (HDAC-1).</p> <p>Slug controls the expression of a wide variety of genes including <i>TP53</i>, <i>BRCA2</i>, <i>PUM</i> and <i>CDH1</i>, and has important roles in apoptosis and epithelial-mesenchymal transition. It is also thought to function in neural crest development.</p> <p>Slug expression in breast, oesophageal, and colorectal carcinomas has been correlated with poor prognosis for survival. Rabbit anti Slug antibody is not cross-reactive with Snail.</p>
<b>Western Blotting</b>	AHP1186 detects a band of approximately 30kDa in 293 cell lysate.
<b>Further Reading</b>	1. Tripathi, M.K. <i>et al.</i> (2005) Regulation of BRCA2 gene expression by the SLUG repressor protein in human breast cells. <a href="#">J Biol Chem. 280 (17): 17163-71.</a>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP1186">https://www.bio-rad-antibodies.com/SDS/AHP1186</a> 10040

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

### Recommended Useful Reagents

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

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

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

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Tel: +44 (0)1865 852 700

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