

Datasheet: AHP1186

Description:	RABBIT ANTI SLUG
Specificity:	SLUG
Other names:	SNAI2
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to human Slug were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	13 amino acid peptide sequence near the centre of human Slug.

**External Database
Links**

UniProt:

[O43623](#) [Related reagents](#)

Entrez Gene:

[6591](#) SNAI2 [Related reagents](#)

Synonyms

SLUG, SLUGH

Specificity

Rabbit anti Slug antibody detects Slug, a member of the Snail family of zinc finger transcription factors, whose expression is induced by FGF, BMP, and TGF- β . 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).

Slug controls the expression of a wide variety of genes including *TP53*, *BRCA2*, *PUM* and *CDH1*, and has important roles in apoptosis and epithelial-mesenchymal transition. It is also thought to function in neural crest development.

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.

Western Blotting

AHP1186 detects a band of approximately 30kDa in 293 cell lysate.

Further Reading

1. Tripathi, M.K. *et al.* (2005) Regulation of BRCA2 gene expression by the SLUG repressor protein in human breast cells. [J Biol Chem. 280 \(17\): 17163-71.](#)

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

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.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

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

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

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

Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@549](#), [DyLight@649](#),

[DyLight@680](#), [DyLight@800](#)

Recommended Useful Reagents

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

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Printed on 01 May 2018

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