

## Datasheet: AHP2742

<b>Description:</b>	RABBIT ANTI LGR5
<b>Specificity:</b>	LGR5
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 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	▪			1/500 - 1/1000

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.

<b>Target Species</b>	Human
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<b>Product Form</b>	Purified IgG - liquid
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**Antiserum Preparation** Antiserum to LGR5 was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

<b>Buffer Solution</b>	Phosphate buffered saline
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<b>Preservative Stabilisers</b>	<0.1% Sodium Azide (NaN <sub>3</sub> )
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<b>Immunogen</b>	A synthetic peptide corresponding to amino acids 689-719 of human LGR5
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#### External Database Links

##### UniProt:

[O75473](https://www.uniprot.org/entry/O75473)

[Related reagents](#)

##### Entrez Gene:

[8549](https://www.ncbi.nlm.nih.gov/gene/8549)

LGR5

[Related reagents](#)

<b>Synonyms</b>	GPR49, GPR67
<b>Specificity</b>	<b>Rabbit anti LGR5 antibody</b> recognizes Leucine-rich repeat-containing G-protein coupled receptor 5 (LGR5), also known as G-protein coupled receptor 49, G-protein coupled receptor 67 and G-protein coupled receptor HG38. Lgr5 is a Wnt target gene and marks proliferative stem cells in the small intestine and colon ( <a href="#">Barker et al. 2007</a> ) and stomach ( <a href="#">Barker et al. 2010</a> ). LGR5 promotes tumor proliferation and invasion ( <a href="#">Xi et al. 2014</a> , <a href="#">Parry and Engh 2014</a> ). LGR5 expression is increased with glioblastoma progression ( <a href="#">Nakata et al. 2013</a> , <a href="#">Zhang et al. 2018</a> ).
<b>Western Blotting</b>	Rabbit anti LGR5 antibody detects a band of approximately 100 kDa in HeLa and HepG2 cell lysate and mouse skeletal muscle tissue lysate under reducing conditions
<b>Storage</b>	Store at -20°C 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.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
<b>Regulatory</b>	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](#)

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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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