

## Datasheet: AHP1354

<b>Description:</b>	RABBIT ANTI HUMAN OGR1 (N-TERMINAL)
<b>Specificity:</b>	OGR1 (N-TERMINAL)
<b>Other names:</b>	GPR68
<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)	▪			20ug/ml
ELISA			▪	
Immunoprecipitation			▪	
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: Mouse <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antisera to human OGR1 (NT) 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>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml

<b>Immunogen</b>	Synthetic peptide corresponding to the N-terminal domain of human OGR1, conjugated to Keyhole Limpet Hemocyanin (KLH).
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q15743</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">8111</a>   GPR68   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	OGR1
<b>RRID</b>	AB_2247814
<b>Specificity</b>	<p><b>Rabbit anti Human OGR1 antibody</b> detects ovarian cancer G protein-coupled receptor 1 (OGR1), a seven pass transmembrane protein initially cloned from an ovarian cancer cell line. OGR1 has a wide expression, and selectively binds both protons and bioactive lipids.</p> <p>OGR1 functions as a proton-sensing G protein-coupled receptor stimulating inositol phosphate production and Ca<sup>2+</sup> mobilisation. It is also a receptor for sphingophosphorylcholine and related lysolipids, which antagonise the proton-induced actions mediated by OGR1.</p> <p>OGR1 is also expressed early during osteoclastogenesis and plays a role in osteoclast differentiation.</p>
<b>Histology Positive Control Tissue</b>	Testis.
<b>References</b>	1. Mogi, C. <i>et al.</i> (2005) Sphingosylphosphorylcholine antagonizes proton-sensing ovarian cancer G-protein-coupled receptor 1 (OGR1)-mediated inositol phosphate production and cAMP accumulation. <a href="#">J Pharmacol Sci. 99 (2): 160-7.</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: 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](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

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

Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@680](#), [DyLight@800](#)

## Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000A\)](#)

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

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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