

Datasheet: AHP2173

**BATCH NUMBER 161677**

<b>Description:</b>	RABBIT ANTI HUMAN GLUT-1 (C-TERMINAL)
<b>Specificity:</b>	GLUT-1 (C-TERMINAL)
<b>Other names:</b>	GLUCOSE TRANSPORTER 1
<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
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			1;100
ELISA	▪			
Western Blotting	▪			1:500 - 1:2000

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
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<b>Species Cross Reactivity</b>	<p>Reacts with: Mouse, Rat</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>
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<b>Product Form</b>	Purified IgG - liquid
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**Antiserum Preparation** Antiserum to human GLUT-1 (CT) was raised by repeated immunisation of rabbits with

highly purified antigen. Purified IgG was prepared by affinity chromatography.

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<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>Approx. Protein Concentrations</b>	Ig concentration 1.0 mg/ml
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<b>Immunogen</b>	Keyhole limpet haemocyanin conjugated synthetic peptide sequence C-ELFHPLGADSQV from the C-terminal region of GLUT-1 (NM_006516).
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P11167</a> <a href="#">Related reagents</a> <a href="#">P11166</a> <a href="#">Related reagents</a> <a href="#">P17809</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">24778</a> Slc2a1 <a href="#">Related reagents</a> <a href="#">6513</a> SLC2A1 <a href="#">Related reagents</a> <a href="#">20525</a> Slc2a1 <a href="#">Related reagents</a>
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<b>Synonyms</b>	Glut1, Glut-1, GLUT1
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<b>RRID</b>	AB_10672762
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<b>Specificity</b>	<b>Rabbit anti GLUT-1 antibody</b> recognises an epitope within the C-Terminal (CT) region of GLUT-1 (Glucose transporter 1), a ubiquitously expressed integral membrane glycoprotein, and member of the major facilitator superfamily, which plays a major role in the transport of glucose across the cell membrane, and the blood-brain barrier.
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<b>Histology Positive Control Tissue</b>	Colorectal carcinoma
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<b>Western Blotting</b>	AHP2173 detects a band of approximately 54kDa in human Jurkat cell lysates.
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<b>Storage</b>	<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>
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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP2173">https://www.bio-rad-antibodies.com/SDS/AHP2173</a>
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**Regulatory**For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)Sheep Anti Rabbit IgG (STAR35...) [RPE](#)Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)**North & South** Tel: +1 800 265 7376**America** Fax: +1 919 878 3751Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

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

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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