

## Datasheet: AHP2173

<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
<b>Species Cross Reactivity</b>	Reacts with: Mouse, Rat <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antiserum to human GLUT-1 (CT) was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	Ig concentration 1.0 mg/ml
<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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## External Database

### Links

#### UniProt:

[P11167](#) [Related reagents](#)  
[P11166](#) [Related reagents](#)  
[P17809](#) [Related reagents](#)

#### Entrez Gene:

[24778](#) Slc2a1 [Related reagents](#)  
[6513](#) SLC2A1 [Related reagents](#)  
[20525](#) Slc2a1 [Related reagents](#)

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### Synonyms

Glut1, Glut-1, GLUT1

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### Specificity

**Rabbit anti GLUT-1 antibody** 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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### Histology Positive Control Tissue

Colorectal carcinoma

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### Western Blotting

AHP2173 detects a band of approximately 54kDa in human Jurkat cell lysates.

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### 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.

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### Shelf Life

12 months from date of despatch.

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### Health And Safety Information

Material Safety Datasheet documentation available at:  
Material Safety Datasheet Documentation #10303 available at:  
<https://www.bio-rad-antibodies.com/uploads/MSDS/10303.pdf>

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### Regulatory

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)  
Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Sheep Anti Rabbit IgG (STAR54...) [HRP](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),  
[DyLight®680](#), [DyLight®800](#)

### Recommended Useful Reagents

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

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

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

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