

Datasheet: AHP2173

Description:	RABBIT ANTI HUMAN GLUT-1 (C-TERMINAL)
Specificity:	GLUT-1 (C-TERMINAL)
Other names:	GLUCOSE TRANSPORTER 1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

Product Details

RRID AB_10672762

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
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.

Target Species Human

Species Cross Reactivity Reacts with: Mouse, Rat
N.B. Antibody reactivity and working conditions may vary between species.

Product Form Purified IgG - liquid

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.

Buffer Solution Phosphate buffered saline

Preservative Stabilisers 0.1% Sodium Azide (NaN₃)

Approx. Protein Concentrations Ig concentration 1.0 mg/ml

Immunogen Keyhole limpet haemocyanin conjugated synthetic peptide sequence C-ELFHPLGADSQV from the C-terminal region of GLUT-1 (NM_006516).

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](#)

Synonyms

Glut1, Glut-1, GLUT1

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.

Histology Positive Control Tissue

Colorectal carcinoma

Western Blotting

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

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.

Guarantee

12 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](#)
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 (2AB02...) [Biotin](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [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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