

Datasheet: AHP2173

BATCH NUMBER 180130

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

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	<p>Reacts with: Mouse, Rat</p> <p>N.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>
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 (NaN ₃)
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
RRID	AB_10672762
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: https://www.bio-rad-antibodies.com/SDS/AHP2173 10040

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 3751

Email: 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

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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