

## Product Datasheet

### GLUD1 Antibody (orb341324)

<b>Catalog Number</b>	orb341324
<b>Category</b>	Antibodies
<b>Description</b>	The GLUD1 Antibody is suitable for IF, IHC, WB. It is a Polyclonal, Unconjugated antibody which raised against Recombinant fusion protein of human GLUD1 .Purification: The antibody was purified by immunogen affinity chromatography.
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Mouse, Rat
<b>Form/Appearance</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
<b>Purification</b>	The antibody was purified by immunogen affinity chromatography.
<b>Immunogen</b>	Recombinant fusion protein of human GLUD1
<b>UniProt ID</b>	<b>P10860, P00367, P26443</b>
<b>Tested applications</b>	IF, IHC, WB
<b>Dilution range</b>	WB: 1:500-1:2000, IHC-P: 1:50-1:200
<b>Specificity</b>	Recognizes endogenous levels of GLUD1 protein.
<b>Antibody Type</b>	Primary Antibody
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

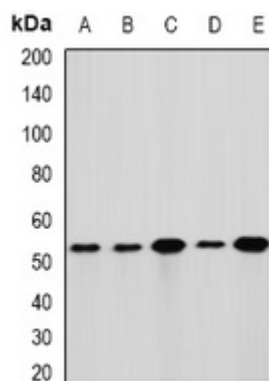
**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713  
United States

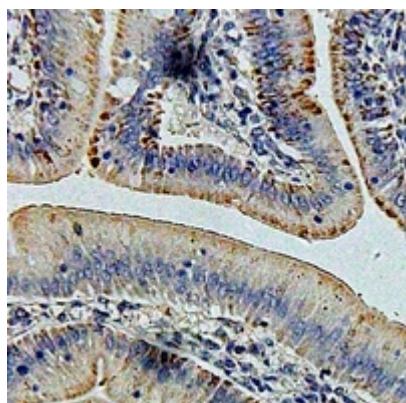
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

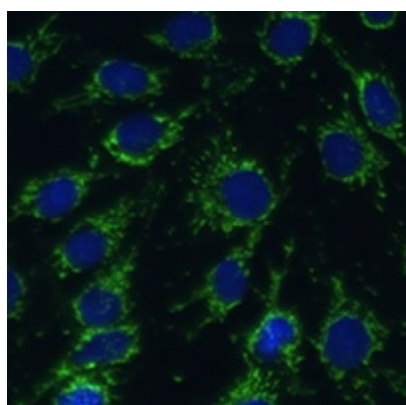
<b>Note</b>	For research use only
<b>Entrez</b>	<b>24399, 14661, 2746</b>
<b>Expiration Date</b>	12 months from date of receipt.



Western blot analysis of GLUD1 expression in Hela (A), HepG2 (B), mouse liver (C), mouse brain (D), rat kidney (E) whole cell lysates. (Predicted band size: 42; 46; 61 kDa; Observed band size: 52 kDa)



Immunohistochemical analysis of GLUD1 staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of GLUD1 staining in C6 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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CB5 8LA  
United Kingdom

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Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

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NC 27713  
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