

## ARG55324 anti-GLUD1 + GLUD2 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes GLUD1 + GLUD2
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Specificity	This antibody was designed to react C-terminal of GLUD2 protein and it is expected to recognize both GLUD1 and GLUD2 proteins based on sequence homology analysis result
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GLUD1 + GLUD2
Species	Human
Immunogen	Recombinant protein corresponding to aa. 319-558 of Human GLUD2 (NP_036216.2)
Conjugation	Un-conjugated
Alternate Names	GDH1; GDH 1; Glutamate dehydrogenase 1, mitochondrial; GDH; GLUD; EC 1.4.1.3; Glutamate dehydrogenase 2, mitochondrial; GLUDP1; EC 1.4.1.3; GDH 2; GDH2

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	MCF7	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

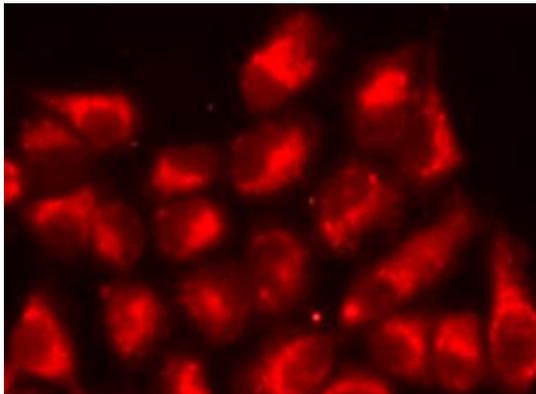
Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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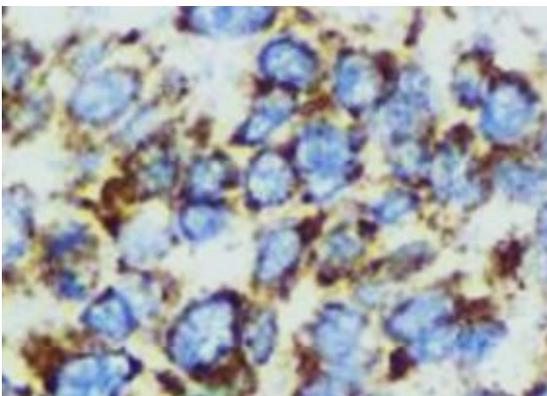
Database links	<a href="#">GeneID: 2747 Human</a> <a href="#">Swiss-port # P49448 Human</a>
Gene Symbol	GLUD2
Gene Full Name	glutamate dehydrogenase 2
Background	The protein encoded by this gene is localized to the mitochondrion and acts as a homohexamer to recycle glutamate during neurotransmission. The encoded enzyme catalyzes the reversible oxidative deamination of glutamate to alpha-ketoglutarate. This gene is intronless.[provided by RefSeq, Jan 2010]
Function	Important for recycling the chief excitatory neurotransmitter, glutamate, during neurotransmission. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	61 kDa
PTM	Stoichiometry shows that ADP-ribosylation occurs in one subunit per catalytically active homohexamer.

## Images



ARG55324 anti-GLUD1 + GLUD2 antibody ICC/IF image

Immunofluorescence: A549 cells stained with ARG55324 anti-GLUD1 + GLUD2 antibody.



ARG55324 anti-GLUD1 + GLUD2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human esophageal cancer tissue stained with ARG55324 anti-GLUD1 + GLUD2 antibody at 1:100 dilution.

ARG55324 anti-GLUD1 + GLUD2 antibody WB image

Western blot: MCF7 cell lysate stained with ARG55324 anti-GLUD1 + GLUD2 antibody.

