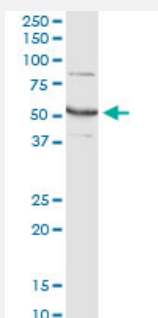


GLUD2 monoclonal antibody (M01), clone 3C2

Catalog # H00002747-M01

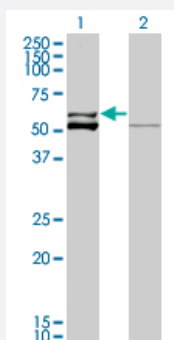
Size 100 ug

Applications



Western Blot (Tissue lysate)

GLUD2 monoclonal antibody (M01), clone 3C2. Western Blot analysis of GLUD2 expression in human pancreas.

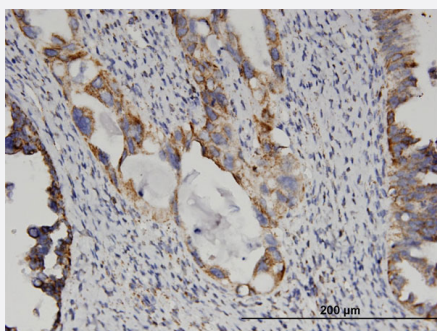


Western Blot (Transfected lysate)

Western Blot analysis of GLUD2 expression in transfected 293T cell line by GLUD2 monoclonal antibody (M01), clone 3C2.

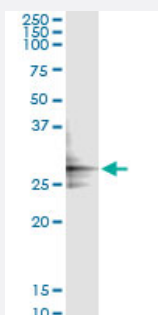
Lane 1: GLUD2 transfected lysate(61 KDa).

Lane 2: Non-transfected lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to GLUD2 on formalin-fixed paraffin-embedded human ovarian cancer. [antibody concentration 1 ug/ml]

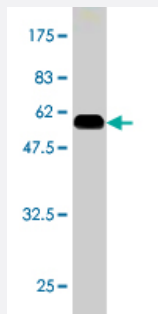
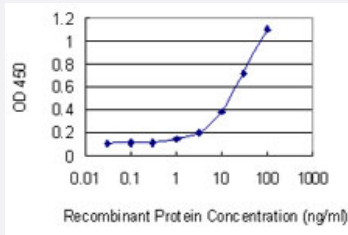


Immunoprecipitation

Immunoprecipitation of GLUD2 transfected lysate using anti-GLUD2 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with GLUD2 MaxPab rabbit polyclonal antibody.

Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GLUD2 is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (54.78 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant GLUD2.
Immunogen	GLUD2 (AAH05111.1, 1 a.a. ~ 264 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MTPGFRDKTFVVQGFGNVGLHSMRYLHRFGAKCIAVGESDGSIMNPDGIDPKELEDFKLQHGSIL GFPKAKPYEGSILEVDCDILIPAATEKQLTKSNAPRVKAKIAEGANGPTTPEADKIFLERNILVIPDL LNAGGVTVSYFEWLKNLNHVSYGRLTFKYERDSNYHLLSVQESLERKFGKHGGTIPVPTAEFQD SISGASEKDIVHSALAYTMERSARQIMHTAMKYNLGLDLRTAAVNAIEKVFKVYSEAGVTFT
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (54.78 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

GLUD2 monoclonal antibody (M01), clone 3C2. Western Blot analysis of GLUD2 expression in human pancreas.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of GLUD2 expression in transfected 293T cell line by GLUD2 monoclonal antibody (M01), clone 3C2.

Lane 1: GLUD2 transfected lysate(61 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to GLUD2 on formalin-fixed paraffin-embedded human ovarian cancer. [antibody concentration 1 ug/ml]

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of GLUD2 transfected lysate using anti-GLUD2 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with GLUD2 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GLUD2 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — GLUD2

Entrez GeneID

[2747](#)

GeneBank Accession#	BC005111.1
Protein Accession#	AAH05111.1
Gene Name	GLUD2
Gene Alias	GDH2, GLUDP1
Gene Description	glutamate dehydrogenase 2
Omim ID	300144
Gene Ontology	Hyperlink
Gene Summary	Glutamate dehydrogenase (EC 1.4.1.3) catalyzes the reversible oxidative deamination of glutamate to alpha-ketoglutarate using NAD and/or NADP as cofactors. See also GLUD1 (MIM 138130).[supplied by OMIM]
Other Designations	glutamate dehydrogenase pseudogene 1

Publication Reference

- [Network Clustering Revealed the Systemic Alterations of Mitochondrial Protein Expression.](#)

Jeon J, Jeong JH, Baek JH, Koo HJ, Park WH, Yang JS, Yu MH, Kim S, Pak YK.

PLoS Computational Biology 2011 Jun; 7(6):e1002093.

Application: WB-Ce, Human, 143B TK- osteosarcoma cells

Pathway

- [Alanine](#)
- [Arginine and proline metabolism](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [D-Glutamine and D-glutamate metabolism](#)
- [Metabolic pathways](#)
- [Nitrogen metabolism](#)

Disease

- [Cognition](#)
- [Parkinson Disease](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Weight Gain](#)