Anti-GLUD1 antibody (459-558) [S4MR] (STJ11102284)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

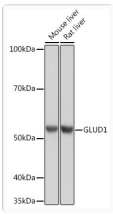
Clonality	Monoclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:1000-1:4000 IHC-P:1:200-1:2000 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 0.05% BSA, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 61kDa Observed Mw: 52kDa
Storage Instruction	Store at-20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

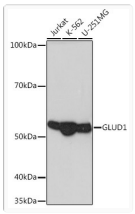
Gene ID	2746
Gene Symbol	GLUD1
UniProt ID	DHE3_HUMAN
Immunogen Region	459-558
Immunogen Sequence	ERDSNYHLLMSVQESLERKF GKHGGTIPIVPTAEFQDRIS GASEKDIVHSGLAYTMERSA RQIMRTAMKYNLGLDLRTAA YVNAIEKVFKVYNEAGVTFT
Specificity	A synthetic peptide corresponding to a sequence within amino acids 459-558 of human GLUD1 (P00367).

ADDITIONAL INFORMATION

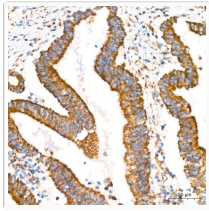
Note	STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



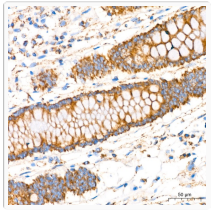
Western blot analysis of extracts of various cell lines, using GLUD1 rabbit monoclonal antibody (STJ11102284) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.



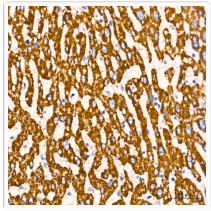
Western blot analysis of extracts of various cell lines, using GLUD1 rabbit monoclonal antibody (STJ11102284) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.



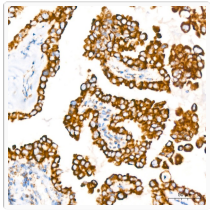
Immunohistochemistry analysis of GLUD1 in paraffin-embedded human colon carcinoma tissue using GLUD1 rabbit monoclonal antibody (STJ11102284) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0. 01 M Tris-EDTA buffer (pH 9. 0) prior to immunohistochemistry staining.



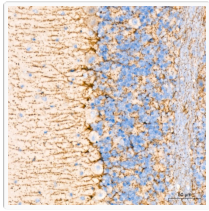
Immunohistochemistry analysis of GLUD1 in paraffin-embedded human colon tissue using GLUD1 rabbit monoclonal antibody (STJ11102284) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0. 01 M Tris-EDTA buffer (pH 9. 0) prior to immunohistochemistry staining.



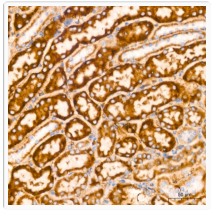
Immunohistochemistry analysis of GLUD1 in paraffin-embedded human liver cancer tissue using GLUD1 rabbit monoclonal antibody (STJ11102284) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0. 01 M Tris-EDTA buffer (pH 9. 0) prior to immunohistochemistry staining.



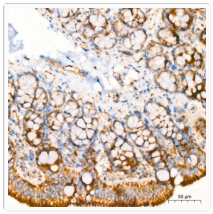
Immunohistochemistry analysis of GLUD1 in paraffin-embedded human thyroid cancer tissue using GLUD1 rabbit monoclonal antibody (STJ11102284) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0. 01 M Tris-EDTA buffer (pH 9. 0) prior to immunohistochemistry staining.



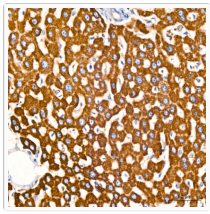
Immunohistochemistry analysis of GLUD1 in paraffin-embedded mouse brain tissue using GLUD1 rabbit monoclonal antibody (STJ11102284) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0. 01 M Tris-EDTA buffer (pH 9. 0) prior to immunohistochemistry staining.



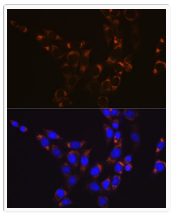
Immunohistochemistry analysis of GLUD1 in paraffin-embedded mouse kidney tissue using GLUD1 rabbit monoclonal antibody (STJ11102284) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0. 01 M Tris-EDTA buffer (pH 9. 0) prior to immunohistochemistry staining.



Immunohistochemistry analysis of GLUD1 in paraffin-embedded rat colon tissue using GLUD1 rabbit monoclonal antibody (STJ11102284) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0. 01 M Tris-EDTA buffer (pH 9. 0) prior to immunohistochemistry staining.



Immunohistochemistry analysis of GLUD1 in paraffin-embedded rat liver tissue using GLUD1 rabbit monoclonal antibody (STJ11102284) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0. 01 M Tris-EDTA buffer (pH 9. 0) prior to immunohistochemistry staining.



Immunofluorescence analysis of NIH-3T3 cells using GLUD1 rabbit monoclonal antibody (STJ11102284) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.