

Product Datasheet

GLS2 Antibody (orb1239416)

Description	GLS2 Antibody
Species/Host	Rabbit
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Tested Applications	ELISA, IF, IHC-P, WB
Immunogen	GLS2 antibody was raised against an 18 amino acid synthetic peptide near the center terminus of human GLS2. The immunogen is located within amino acids 300 - 350 of GLS2.
Target	GLS2
Preservatives	GLS2 Antibody is supplied in PBS containing 0.02% sodium azide.
Form/Appearance	Liquid
Concentration	1 mg/mL
Storage	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.
Note	For research use only
Application notes	GLS2 antibody can be used for detection of GLS2 by Western blot at 0.5 - 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in rat samples; Immunohistochemistry in mouse and rat samples and Immunofluorescence in mouse and rat samples. All other applications and species not yet tested.
Isotype	IgG
Clonality	Polyclonal

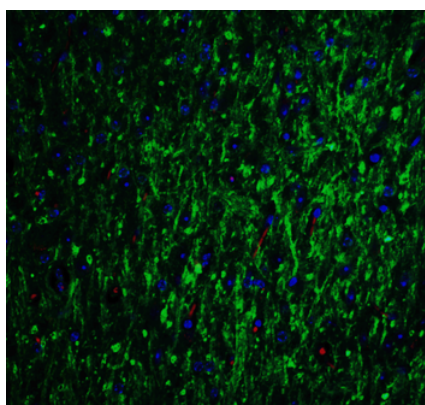
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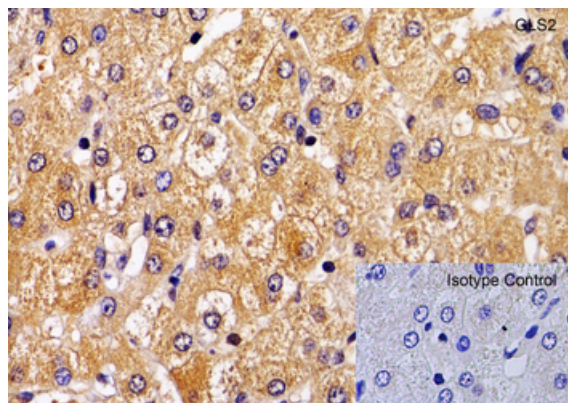
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Antibody Type	Primary Antibody
MW	Predicted: 36, 55, 62, 66 kDa Observed: 55, 62 kDa
Uniprot ID	Q9UI32
NCBI	NP_037399
Expiration Date	12 months from date of receipt.



Immunofluorescence Validation of GLS2 in Mouse Brain. Immunofluorescent analysis of 4% paraformaldehyde-fixed mouse brain labeling GLS2 with orb1239416 at 20 µg/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green) and DAPI antibody (blue).



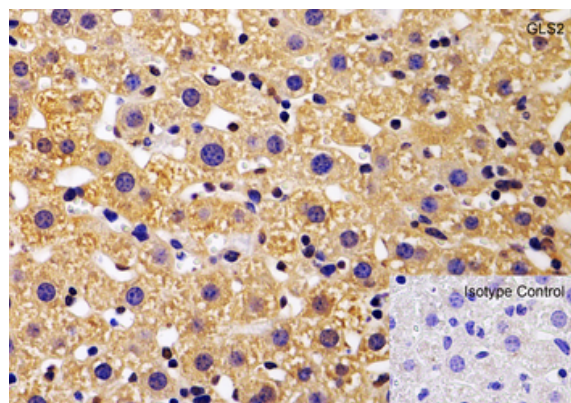
Immunohistochemistry Validation of GLS2 in Human Liver. Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-GLS2 antibody (orb1239416) at 1 µg/mL. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.

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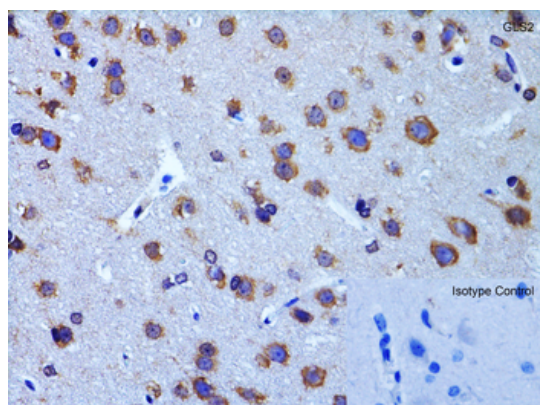
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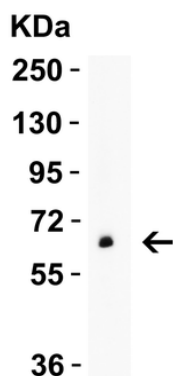
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Immunohistochemistry Validation of GLS2 in Mouse Liver.
Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-GLS2 antibody (orb1239416) at 1 µg/mL. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Immunohistochemistry Validation of GLS2 in Rat Brain.
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-GLS2 antibody (orb1239416) at 2 µg/mL. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



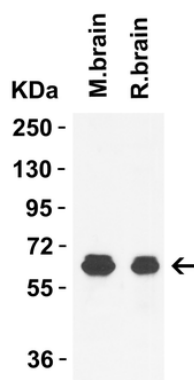
WB Validation in Human Pancreas. Loading: 10 µg of lysate
Antibodies: GLS2, orb1239416, 2 µg/mL, 1 h incubation at RT in 5% NFDm/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.

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WB Validation in Mouse and Rat Brain. Loading: 15 µg of lysate
Antibodies: GLS2, orb1239416, 1 µg/mL, 1 h incubation at RT in
5% NFDM/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate
at 1:10000 dilution.

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