

bs-13376R**[Primary Antibody]****GLS2 Rabbit pAb****Bioss**
ANTIBODIES

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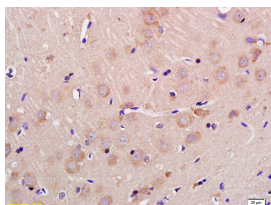
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 27165	SWISS: Q9UI32	
Target: GLS2		
Immunogen: KLH conjugated synthetic peptide derived from human GLS2/LGA: 41-140/602.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Reactivity: Rat (predicted: Human, Mouse, Rabbit, Pig, Sheep, Cow, Dog, Horse)
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		Predicted MW.: 65 kDa
Background: LGA is a 602 amino acid protein that localizes to the mitochondrion and contains two ANK repeats. Expressed in brain, liver and pancreas, LGA functions as a mitochondrial phosphate-activated glutaminase that catalyzes the hydrolysis of glutamine to glutamate and ammonia. LGA is overexpressed in breast cancer cell lines, suggesting a role for LGA in tumorigenesis. The gene encoding LGA maps to human chromosome 12, which encodes over 1,100 genes and comprises approximately 4.5% of the human genome. Chromosome 12 is associated with a variety of diseases and afflictions, including hypochondrogenesis, achondrogenesis, Kniest dysplasia, Noonan syndrome and Trisomy 12p, which causes facial developmental defects and seizure disorders.		Subcellular Location: Cytoplasm

— VALIDATION IMAGES —

Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-GLS2 Polyclonal Antibody, Unconjugated(bs-13376R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=4.996]** Zhou, Ji. et al. The ferroptosis signature predicts the prognosis and immune microenvironment of nasopharyngeal carcinoma. SCI REP-UK. 2023 Feb;13(1):1-13 IHC ;Human. 36732567