

# Product Datasheet

## Glutaminase Antibody (RB22875)

### NBP2-29940

Unit Size: 0.4 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-29940**

Glutaminase Antibody (RB22875)

Product Information	
Unit Size	0.4 ml
Concentration	0.34 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Clone	RB22875
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS
Target Molecular Weight	73.461 kDa
Product Description	
Host	Rabbit
Gene ID	2744
Gene Symbol	GLS
Species	Human, Mouse, Rat
Reactivity Notes	Porcine reactivity reported by customer review.
Immunogen	This GLS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 516-545 amino acids from the C-terminal region of human GLS.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1:25, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:25, Immunohistochemistry-Paraffin 1:25



## Publications

Dorai T, Dorai B, Pinto JT et al. High Levels of Glutaminase II Pathway Enzymes in Normal and Cancerous Prostate Suggest a Role in 'Glutamine Addiction' Biomolecules 2019-12-18 [PMID: 31861280] (WB, Human)

Chatterjee S, Daenthanasanmak A, Chakraborty P et al. CD38-NAD<sup>+</sup>Axis Regulates Immunotherapeutic Anti-Tumor T Cell Response. Cell Metab. 2018-01-09 [PMID: 29129787]

Details:

Citation used the Alexa Fluor 647 format of this antibody.

Dorai T, Shah A, Summers F et al. NRH:quinone oxidoreductase 2 (NQO2) and glutaminase (GLS) both play a role in large extracellular vesicles (LEV) formation in preclinical LNCaP-C4-2B prostate cancer model of progressive metastasis. Prostate. 2018-07-15 [PMID: 30009389] (ICC/IF, Human)

Pacheco-Velazquez SC, Robledo-Cadena DX, Hernandez-Resendiz I et al. Energy Metabolism Drugs Block Triple Negative Breast Metastatic Cancer Cell Phenotype Mol. Pharm. 2018-05-23 [PMID: 29746779] (Human)

Li X, Han G, Li X et al. Mitochondrial pyruvate carrier function determines cell stemness and metabolic reprogramming in cancer cells Oncotarget 2017-07-11 [PMID: 28624784] (WB, Mouse)





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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