**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for TA334558

## Glutaminase (GLS) Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | WB |
| **Recommended Dilution:** | WB |
| **Reactivity:** | Human, Rat |
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Immunogen:** | The immunogen for anti-GLS antibody: synthetic peptide directed towards the c terminal of human GLS. Synthetic peptide located within the following region: VNPFPKDRWNNTPMDEALHFGHHDVFKILQEYQVQYTPQGDSDNGKENQT |
| **Formulation:** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.<br>*Note that this product is shipped as lyophilized powder to China customers.* |
| **Purification:** | Affinity Purified |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store at -20°C as received. |
| **Stability:** | Stable for 12 months from date of receipt. |
| **Predicted Protein Size:** | 73 kDa |
| **Gene Name:** | glutaminase |
| **Database Link:** | NP_055720<br>Entrez Gene 24398 RatEntrez Gene 2744 Human<br>O94925 |
| **Background:** | Sahai (1983) [PubMed 6825316] demonstrated phosphate-activated glutaminase (EC 3.5.1.2) in human platelets. It is the major enzyme yielding glutamate from glutamine. Significance of the enzyme derives from its possible implication in behavior disturbances |
| **Synonyms:** | AAD20; GAC; GAM; GLS1; KGA |
| **Note:** | Immunogen Sequence Homology: Pig: 100%; Horse: 100%; Human: 100%; Rabbit: 100%; Guinea pig: 100%; Rat: 93%; Dog: 86%; Mouse: 86% |

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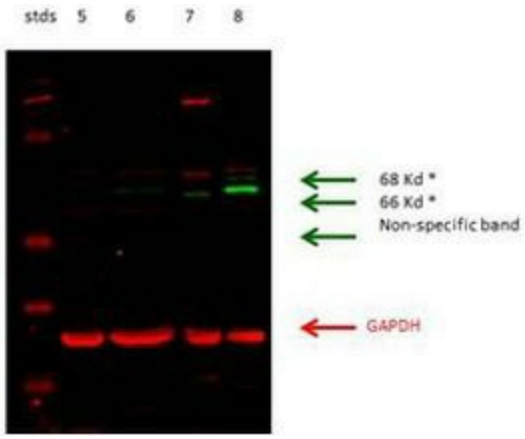
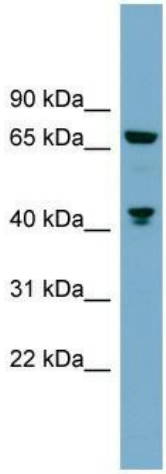
**Protein Pathways:** Alanine, aspartate and glutamate metabolism, Arginine and proline metabolism, D-Glutamine and D-glutamate metabolism, Metabolic pathways, Nitrogen metabolism

## Product images:




GLS antibody - C-terminal region validated by WB using Cortex/Kidney/Brain at 1: 2000.




WB Suggested Anti-GLS Antibody Titration: 0.2-1 ug/ml; Positive Control: ACHN cell lysateGLS is strongly supported by BioGPS gene expression data to be expressed in Human ACHN cells