

# KD-Validated Anti-GARS Rabbit Monoclonal Antibody

*Rabbit monoclonal antibody*

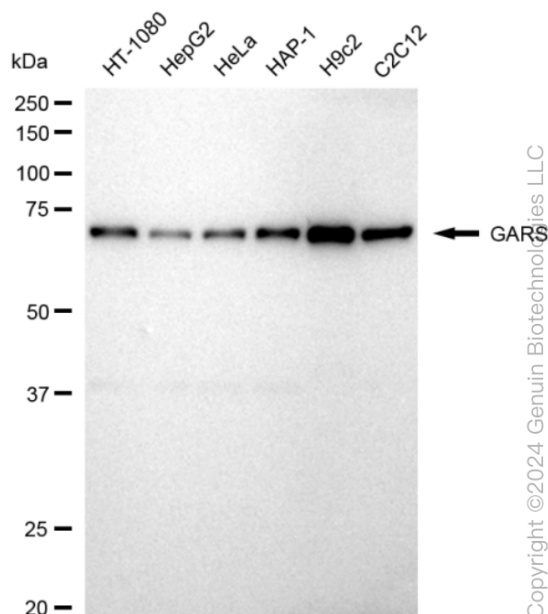
ABG1521

## Product Overview

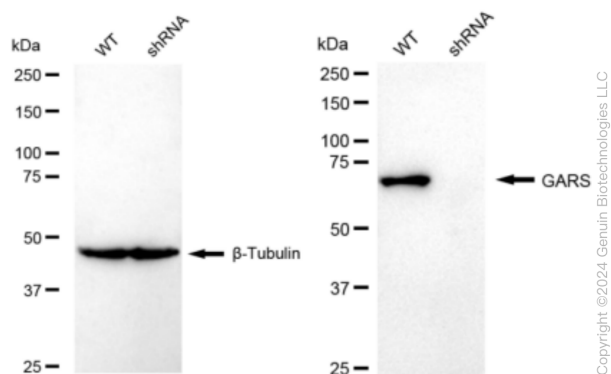
|                             |                                                                           |
|-----------------------------|---------------------------------------------------------------------------|
| <b>Name</b>                 | KD-Validated Anti-GARS Rabbit Monoclonal Antibody                         |
| <b>Accession(Primary)</b>   | P41250                                                                    |
| <b>Host Species</b>         | Rabbit                                                                    |
| <b>Clonality</b>            | Monoclonal                                                                |
| <b>Isotype</b>              | Rabbit IgG                                                                |
| <b>Immunogen</b>            | A synthesized peptide derived from human GARS                             |
| <b>Species Reactivity</b>   | Human, Mouse, Rat                                                         |
| <b>Calculated MW</b>        | Predicted, 83 kDa, observed, 75 kDa                                       |
| <b>Storage Buffer</b>       | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide. |
| <b>Recommended Dilution</b> | Western Blotting (WB): 1:1,000-1:5,000                                    |

## Target information (P41250)

|                          |                                                                                                                                                                                                                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | GARS1                                                                                                                                                                                                                                                                                 |
| <b>About Gene Symbol</b> | GARS1 (Glycyl-TRNA Synthetase 1) is a biosynthetic enzyme involved in TGF- $\beta$ signaling. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets. |



Western blotting analysis using anti-GARS antibody (Cat#ABG1521). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-GARS antibody (Cat#ABG1521, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-GARS antibody (Cat#ABG1521). GARS expression in wild type (WT) and GARS shRNA knockdown (KD) HeLa cells with 30  $\mu$ g of total cell lysates.  $\beta$ -Tubulin serves as a loading control. The blot was incubated with anti-GARS antibody (Cat#ABG1521, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.