

SLC25A38 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57674**Specification**

SLC25A38 Polyclonal Antibody - Product Information

Application	WB, IHC-P
Primary Accession	Q96DW6
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33566

SLC25A38 Polyclonal Antibody - Additional Information**Gene ID** 54977**Other Names**

Mitochondrial glycine transporter {ECO:0000255|HAMAP-Rule:MF_03064}, Mitochondrial glycine transporter GlyC, Solute carrier family 25 member 38 {ECO:0000255|HAMAP-Rule:MF_03064}, SLC25A38 {ECO:0000255|HAMAP-Rule:MF_03064}

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

SLC25A38 Polyclonal Antibody - Protein Information**Name** SLC25A38 ([HGNC:26054](#))**Function**

Mitochondrial glycine transporter that imports glycine into the mitochondrial matrix. Plays an important role in providing glycine for the first enzymatic step in heme biosynthesis, the condensation of glycine with succinyl-CoA to produce 5-aminolevulinate (ALA) in the mitochondrial matrix. Required during erythropoiesis.

Cellular Location

Mitochondrion inner membrane {ECO:0000255|HAMAP- Rule:MF_03064}; Multi-pass membrane protein {ECO:0000255|HAMAP- Rule:MF_03064}

Tissue Location

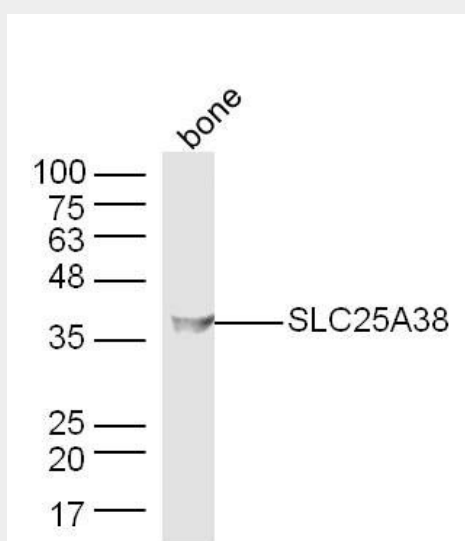
Preferentially expressed in erythroid cells.

SLC25A38 Polyclonal Antibody - Protocols

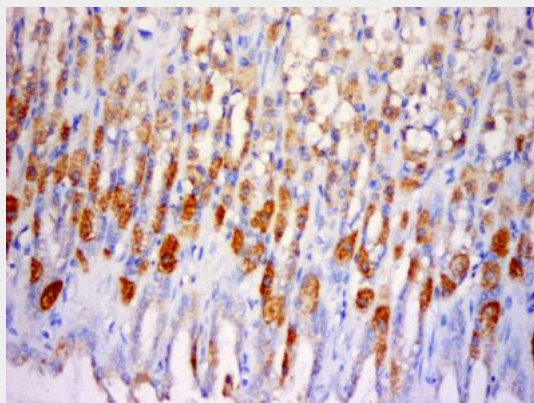
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SLC25A38 Polyclonal Antibody - Images



Sample: bone (Mouse) Lysate at 40 ug
Primary: Anti-SLC25A38(bs-19815R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution
Predicted band size: 34kD
Observed band size: 37kD



Paraformaldehyde-fixed, paraffin embedded (Rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with

(SLC25A38) Polyclonal Antibody, Unconjugated (bs-19815R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.