**Product Datasheet**

# Slc37A2 Antibody
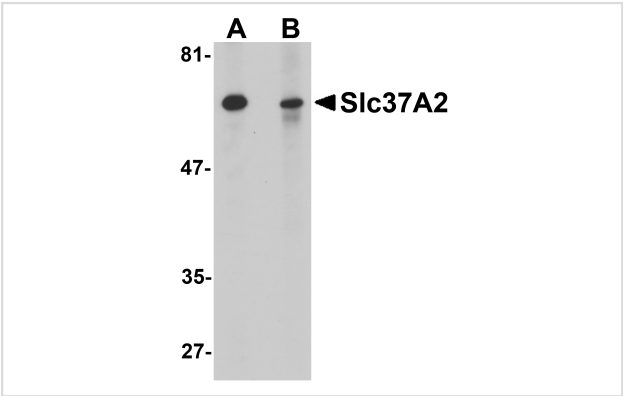
Catalog No: #25074
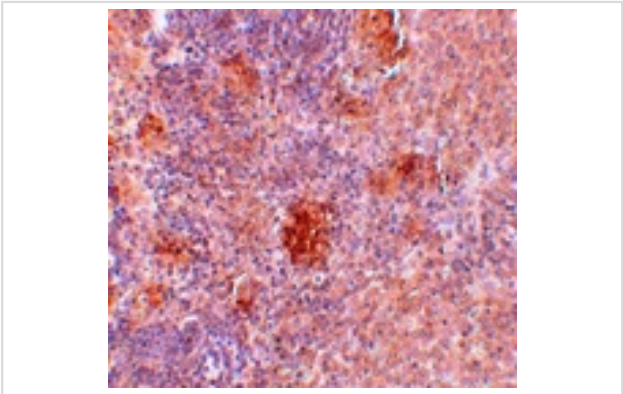
## Description

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|---|---|
| Product Name | Slc37A2 Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Affinity chromatography purified via peptide column |
| Applications | ELISA WB IHC |
| Species Reactivity | Hu Ms Rt |
| Immunogen Type | Peptide |
| Immunogen Description | Raised against a 15 amino acid peptide near the center of human Slc37A2. |
| Target Name | Slc37A2 |
| Other Names | Solute carrier family 37 member 2, sugar phosphate exchanger 2, glycerol-3-phosphate transporter |
| Accession No. | Swiss-Prot:Q8TED4Gene ID:219855 |
| Uniprot | Q8TED4 |
| GeneID | 219855; |
| Concentration | 1mg/ml |
| Formulation | Supplied in PBS containing 0.02% sodium azide. |
| Storage | Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

## Images



Western blot analysis of Slc37A2 in mouse spleen tissue lysate with Slc37A2 antibody at 1 ug/mL in the (A) absence and (B) presence of blocking peptide.



Immunohistochemistry of Slc37A2 in rat spleen tissue with Slc37A2 antibody at 5 ug/mL.

## Background

The Slc37 gene family consists of four members which have 10-12 predicted transmembrane domains and belong to the sugar-phosphate transporter superfamily. Recent experiments have demonstrated that Slc37A2 is a macrophage-specific gene selectively expressed in obese white adipose tissue. Its transcript is also expressed in spleen and thymus and the cell lines RAW264.7 and THP-1. Compared to wild-type mice, Slc37A2 mRNA is expressed at nine-fold higher levels in abdominal epididymal fat deposits of ob/ob mice, suggesting that it may be required to limit the contribution of macrophages to the inflammatory state present in obesity. Slc37A2 protein is post-translationally modified with the addition of N-linked glycans and migrates as a heterogeneous species of 50-75kDa.

Note: This product is for in vitro research use only