

## Product datasheet for **TA361244**

### SLC16A2 Rabbit Polyclonal Antibody

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Applications:           | WB  |
| Reactivity:             | Human   |
| Host:                   | Rabbit  |
| Clonality:              | Polyclonal  |
| Immunogen:              | The immunogen is a synthetic peptide directed towards the N terminal region of human SLC16A2  |
| Specificity:            | <b>Expected reactivity:</b> Human   |
| Formulation:            | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                       |
| Concentration:          | lot specific  |
| Purification:           | Affinity purified   |
| Conjugation:            | Unconjugated  |
| Storage:                | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Stability:              | Shelf life: one year from despatch.   |
| Predicted Protein Size: | 59 kDa  |
| Gene Name:              | solute carrier family 16 member 2   |
| Database Link:          | <a href="#">NP_006508.2</a><br><a href="#">Entrez Gene 6567 Human</a><br><a href="#">P36021</a>   |



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**Background:**

This gene encodes an integral membrane protein that functions as a transporter of thyroid hormone. The encoded protein facilitates the cellular importation of thyroxine (T4), triiodothyronine (T3), reverse triiodothyronine (rT3) and diiodothyronine (T2). This gene is expressed in many tissues and likely plays an important role in the development of the central nervous system. Loss of function mutations in this gene are associated with psychomotor retardation in males while females exhibit no neurological defects and more moderate thyroid-deficient phenotypes. This gene is subject to X-chromosome inactivation. Mutations in this gene are the cause of Allan-Herndon-Dudley syndrome.

**Synonyms:**

AHDS; DXS128; DXS128E; MCT7; MCT8; MRX22; XPCT

**Protein Families:**

Transmembrane

**Product images:**