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Datasheet for ABIN5004145

**anti-GTDC1 antibody (AA 361-458) (Alexa Fluor 750)**

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | GTDC1  |
| Binding Specificity: | AA 361-458   |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This GTDC1 antibody is conjugated to Alexa Fluor 750   |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | KLH conjugated synthetic peptide derived from human GTDC1 |
| Isotype:              | IgG   |
| Predicted Reactivity: | Human, Mouse, Rat, Dog, Pig, Horse, Rabbit, Zebrafish     |
| Purification:         | Purified by Protein A.                                    |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | GTDC1   |
| Alternative Name: | GTDC1 ( <a href="#">GTDC1 Products</a> )  |
| Background:       | Synonyms: Glycosyltransferase like 1, Glycosyltransferase like domain containing 1, |

## Target Details

Glycosyltransferase like domain containing protein 1, Mannosyltransferase candidate, GTDC1\_HUMAN.

Background: Glycosyltransferases that mediate the regio- and stereoselective transfer of sugars, such as the fucosyltransferases, determine cell surface-carbohydrate profiles, which is an essential interface for biological recognition processes. GTDC1 (Glycosyltransferase-like domain-containing protein 1), also known as Mat-Xa, is a 458 amino acid protein belonging to the glycosyltransferase 1 family. GTDC1 is ubiquitously expressed, with highest levels found in peripheral blood leukocytes, spleen, lung and testis. An extremely rare recessive genetic disorder, Alstr syndrome, is caused by mutations in the ALMS1 gene, which maps to chromosome 2.

Gene ID: 79712

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months