

Rabbit Anti-GTDC1/Cy5 Conjugated antibody

SL8582R-Cy5

Product Name	Anti-GTDC1/Cy5
Chinese Name	Cy5 标记的糖基转移酶样 1 抗体
Alias	Glycosyltransferase like 1; Glycosyltransferase like domain containing 1; Glycosyltransferase like domain containing protein 1; Mannosyltransferase candidate; GTDC1_HUMAN.
Research Area	Cell biology immunology Developmental biology
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Dog,Pig,Horse,Rabbit,Zebrafish)
Applications	ICC/IF=1:50-200,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	53kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human GTDC1
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 癆 for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20 癆. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 癆.
Product Detail	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, Alström syndrome, is caused by mutations in the ALMS1 gene, which maps to chromosome 2.

Tissue Specificity:

Ubiquitous. Expressed at high levels in the lung, spleen, testis and peripheral blood leukocytes.

Similarity:

Belongs to the glycosyltransferase group 1 family. Glycosyltransferase 4 subfamily.

Database links:

UniProtKB/Swiss-Prot: Q4AE62.1

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.