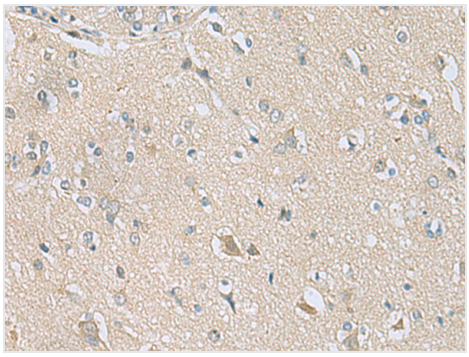
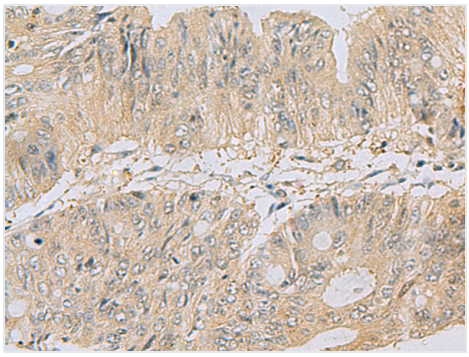
TSTA3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TSTA3, Polyclonal Antibody
Full Product Name	TSTA3 Polyclonal Antibody
Product Gene Name	anti-TSTA3 antibody
Product Synonym Names	3 5 epimerase/4 reductase; 5-epimerase-4-reductase; Anti TSTA3; EC 1.1.1.271; FCL; FX; GDP 4 keto 6 deoxy D mannose 3 5 epimerase 4 reductase; GDP 4 keto 6 deoxy D mannose epimerase reductase; GDP L fucose synthase; GDP-4-keto-6-deoxy-D-mannose-3; GDP-L-fucose synthase; P35B; Protein FX; Red cell NADP(H) binding protein; Red cell NADP(H)-binding protein; SDR4E1; Short chain dehydrogenase/reductase family 4E member 1; Short-chain dehydrogenase/reductase family 4E member 1; Tissue specific transplantation antigen 3; Tissue specific transplantation antigen P35B; TSTA3; TSTA3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	PBS with 0.05% NaN3 and 40% Glycerol, pH7.4
Purity/Purification	Antigen Affinity Purification
Concentration	1.44mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
OMIM	137020
3D Structure	ModBase 3D Structure for Q13630
Immunogen	Fusion protein of human TSTA3
Conjugation	Unconjugated
Product Categories/Family for anti-TSTA3 antibody	Metabolism; Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TSTA3 antibody	Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-TSTA3 antibody	IHC: 1:50-1:200 ELISA: 1:5000-1:10000
Related Product Information for anti-TSTA3 antibody	Tissue specific transplantation antigen P35B is a NADP(H)-binding protein. It catalyze the two-step epimerase and the reductase reactions in GDP-D-mannose metabolism, converting GDP-4-keto-6-D-deoxymannose to GDP-L-fucose. GDP-L-fucose is the substrate of several fucosyltransferases involved in the expression of many glycoconjugates, including blood group ABH antigens and developmental adhesion antigens. Mutations in this gene may cause leukocyte adhesion deficiency, type II.
Other Notes	Small volumes of anti-TSTA3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TSTA3 purchase	MBS2563049 is an antibody targeting TSTA3. Also known as TSTA3 Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.



Immunohistochemistry (IHC) of anti-TSTA3 antibody
Immunohistochemistry of paraffin-embedded Human brain tissue using TSTA3 Polyclonal Antibody at dilution of 1:80(×200)



Immunohistochemistry (IHC) of anti-TSTA3 antibody
Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using TSTA3 Polyclonal Antibody at dilution of 1:80(×200)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TSTA3. It may not necessarily be applicable to this product.

NCBI GI #	4507709
NCBI GeneID	7264
NCBI Accession #	NP_003304.1
NCBI Related Accession #	BC001941
UniProt Primary Accession #	Q13630
UniProt Related Accession #	Q13630
GenBank Nucleotide #	NP_003304.1
NCBI Official Full Name	GDP-L-fucose synthase isoform 2
NCBI Official Synonym Full Names	tissue specific transplantation antigen P35B
NCBI Official Symbol	TSTA3
NCBI Official Synonym Symbols	FX; P35B; SDR4E1
UniProt Protein Name	GDP-L-fucose synthase
UniProt Synonym Protein Names	GDP-4-keto-6-deoxy-D-mannose-3,5-epimerase-4-reductase; Protein FX; Red cell NADP(H)-binding protein; Short-chain dehydrogenase/reductase family 4E member 1
UniProt Gene Name	TSTA3
UniProt Synonym Gene Names	SDR4E1
UniProt Entry Name	FCL_HUMAN
NCBI Protein Information	GDP-L-fucose synthase

UniProt Comments for TSTA3	TSTA3: Two step NADP-dependent conversion of GDP-4-dehydro-6- deoxy-D-mannose to GDP-fucose, involving an epimerase and a reductase reaction. Belongs to the fucose synthase family. Protein type: Oxidoreductase; Carbohydrate Metabolism - fructose and mannose; Carbohydrate Metabolism - amino sugar and nucleotide sugar; EC 1.1.1.271 Chromosomal Location of Human Ortholog: 8q24.3 Cellular Component: cytoplasm Molecular Function: GDP-L-fucose synthase activity; electron carrier activity; isomerase activity; coenzyme binding; GDP-4-dehydro-D-rhamnose reductase activity Biological Process: leukocyte adhesion; cytolysis; GDP-mannose metabolic process; 'de novo' GDP-L-fucose biosynthetic process
Research Articles on TSTA3	**1.** tissue-specific transplantation antigen P35B may serve as a novel biomarker for prognosis of patients with esophageal squamous cell carcinoma.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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