

FX Polyclonal Antibody

Catalog No :	YT1802
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	FX
Fields :	>>Fructose and mannose metabolism;>>Amino sugar and nucleotide sugar metabolism;>>Metabolic pathways;>>Biosynthesis of nucleotide sugars
Gene Name :	TSTA3
Protein Name :	GDP-L-fucose synthase
Human Gene Id :	7264
Human Swiss Prot No :	Q13630
Mouse Gene Id :	22122
Mouse Swiss Prot No :	P23591
Immunogen :	The antiserum was produced against synthesized peptide derived from human TSTA3. AA range:221-270
Specificity :	FX Polyclonal Antibody detects endogenous levels of FX protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 40kD

Cell Pathway : Fructose and mannose metabolism;Amino sugar and nucleotide sugar metabolism;

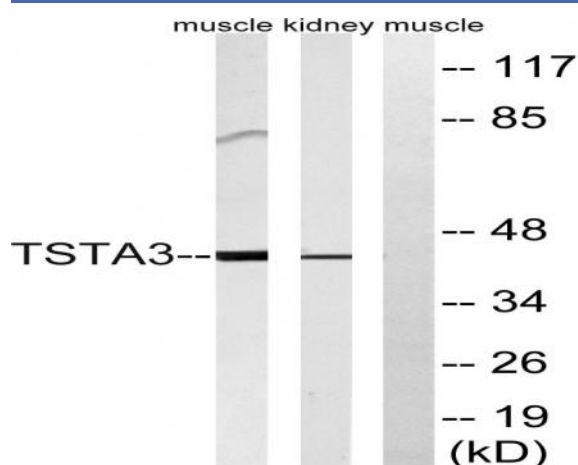
Background : Tissue specific transplantation antigen P35B is a NADP(H)-binding protein. It catalyze the two-step epimerase and the reductase reactions in GDP-D-mannose metabolism, converting GDP-4-keto-6-D-deoxymannose to GDP-L-fucose. GDP-L-fucose is the substrate of several fucosyltransferases involved 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. [provided by RefSeq, Jul 2008],

Function : catalytic activity:GDP-L-fucose + NADP(+) = GDP-4-dehydro-6-deoxy-D-mannose + NADPH.,function:Two step NADP-dependent conversion of GDP-4-dehydro-6-deoxy-D-mannose to GDP-fucose, involving an epimerase and a reductase reaction.,pathway:Nucleotide-sugar biosynthesis; GDP-L-fucose biosynthesis via de novo pathway; GDP-L-fucose from GDP-D-mannose: step 2/2.,similarity:Belongs to the fucose synthetase family.,subunit:Homodimer.,

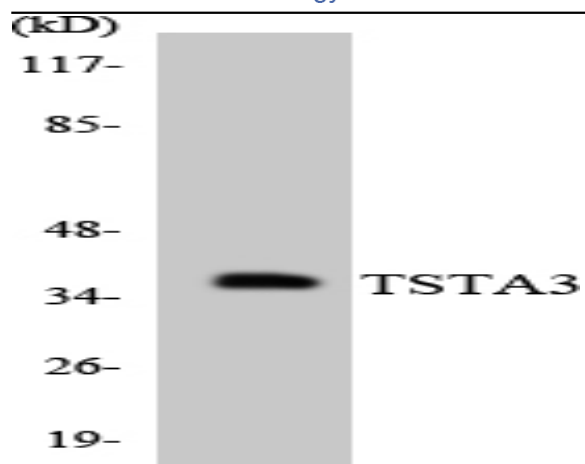
Subcellular Location : cytoplasm,cytosol,extracellular exosome,

Expression : Erythrocyte,Lung,Placenta,Skin,

Products Images



Western blot analysis of lysates from rat kidney and rat muscle cells, using TSTA3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using TSTA3 antibody.