

TPST1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58528

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	O60507
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42188
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TPST1
Epitope Specificity	165-260/370
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Golgi apparatus membrane; Single-pass type II membrane protein.
SIMILARITY	Belongs to the protein sulfotransferase family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Catalyzes the O-sulfation of tyrosine residues within acidic motifs of polypeptides.

Additional Information

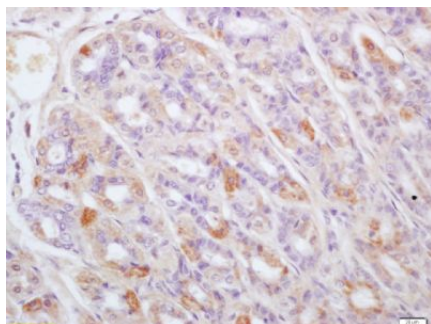
Gene ID	8460
Other Names	Protein-tyrosine sulfotransferase 1, 2.8.2.20, Tyrosylprotein sulfotransferase 1, TPST-1, TPST1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

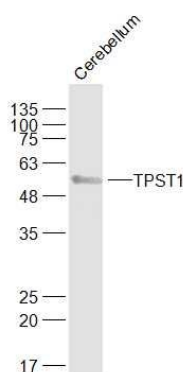
Name	TPST1
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Function	Catalyzes the O-sulfation of tyrosine residues within acidic motifs of polypeptides, using 3'-phosphoadenylyl sulfate (PAPS) as cosubstrate.
Cellular Location	Golgi apparatus membrane; Single-pass type II membrane protein
Tissue Location	Ubiquitous. Detected in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas

Images



Tissue/cell: mouse stomach tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
 Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
 Incubation: Anti-TPST1 Polyclonal Antibody, Unconjugated(AP58528) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Sample:
 Cerebellum (Mouse) Lysate at 40 ug
 Primary: Anti-TPST1 (AP58528) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 41 kD
 Observed band size: 51 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.