

For Research Use Only

TPST1 Polyclonal antibody, PBS Only

Catalog Number: 12404-1-PBS



Basic Information

Catalog Number:

12404-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3093

GenBank Accession Number:

BC013188

GeneID (NCBI):

8460

UNIPROT ID:

O60507

Full Name:

tyrosylprotein sulfotransferase 1

Calculated MW:

370 aa, 42 kDa

Observed MW:

42 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

TPST1 is a human tyrosylprotein sulfotransferase that uses 3'phosphoadenosine-5'phosphosulfate (PAPS) to transfer the sulfate moiety to proteins predominantly designated for secretion. High TPST1 expression was linked with clinicopathological characteristics and unfavorable prognosis of HNSC patients (PMID: 16859706). In lung cancer, TPST1 expression was associated with the tumor-nodemetastasis (TNM) stage and lymph node metastasis, suggesting that it may be a useful prognostic indicator for lung cancer patients (PMID: 18243191, 17028309).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

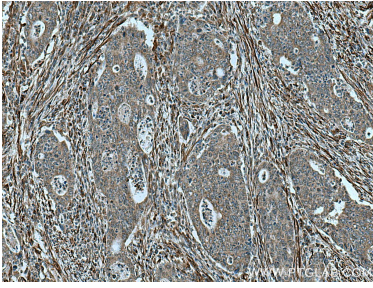
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

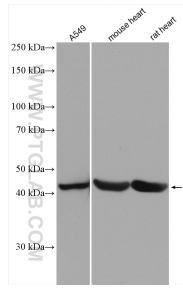
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 12404-1-AP (TPST1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 12404-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 12404-1-AP (TPST1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 12404-1-PBS in a different storage buffer formulation.