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Datasheet for ABIN701080

## anti-TPT1 antibody (AA 85-172)

1 Image

2 Publications

### Overview

Quantity:	100 µL
Target:	TPT1
Binding Specificity:	AA 85-172
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TPT1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TCTP
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Sheep,Pig,Horse,Rabbit,Guinea Pig
Purification:	Purified by Protein A.

### Target Details

Target:	TPT1
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## Target Details

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Alternative Name:	TCTP ( <a href="#">TPT1 Products</a> )
Background:	<p>Synonyms: FLJ27337, Fortilin, Histamine releasing factor, Histamine-releasing factor, HRF, Immunoglobulin E-dependent, p02, p23, TCTP, TCTP_HUMAN, TPT1, Translationally controlled tumor protein, Translationally-controlled tumor protein, Tumor protein translationally controlled 1, tumor protein translationally-controlled 1, tumor protein, translationally-controlled 1.</p> <p>Background: TCTP is involved in calcium binding and microtubule stabilization. It is an immunoglobulin E dependent histamine-releasing factor produced by lymphocytes of atopic children and present in biologic fluids of allergic patients. Both human and mouse recombinant HRF proteins caused histamine release from human basophils of a subpopulation of donors (referenced from OMIM).</p>
Gene ID:	7178
Pathways:	<a href="#">Response to Water Deprivation</a> , <a href="#">Regulation of Cell Size</a> , <a href="#">Negative Regulation of intrinsic apoptotic Signaling</a>

## Application Details

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Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C

## Handling

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Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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Expiry Date: 12 months

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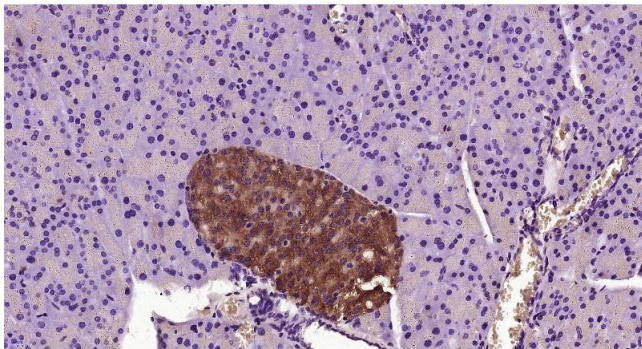
## Publications

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Product cited in: Wu, Guo, Min, Zhou, Li, Li, Luo: "Upregulation of TCTP expression in human skin squamous cell carcinoma increases tumor cell viability through anti-apoptotic action of the protein." in: **Experimental and therapeutic medicine**, Vol. 3, Issue 3, pp. 437-442, (2012) ([PubMed](#)).

## Images

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### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Paraformaldehyde-fixed, paraffin embedded Mouse pancreas, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30min, Antibody incubation with TCTP Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, followed by a conjugated secondary antibody and DAB staining.