

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TPT1/TCTP in direct ELISAs and Western blots. In direct ELISAs, approximately 50% cross-reactivity with recombinant mouse TPT1 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human TPT1/TCTP Met1-Cys172 Accession # P13693
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

TPT-1 (translationally controlled tumor protein 1; also TCTP, HRF and fortilin) is a 22-23 kDa member of the TCTP family of calcium-binding proteins. It is widely expressed (but not in kidney), and apparently serves as a transcriptional activator (Oct4), calcium transporter, histamine inducer and antiapoptotic, caspase-3 inhibitor. Human TPT-1 is 172 amino acids (aa) in length. It contains little in the way of structural motifs. There are multiple potential splice variants. There is an alternate start site at Met35 that may be accompanied by a deletion of aa 99-172. In addition, there may be either a 25 aa or 16 aa C-terminal extension after Cys172. Over aa 1-172, human TPT-1 is 96% aa identical to mouse TPT-1.

PRODUCT SPECIFIC NOTICES

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