Human TPT1/TCTP Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 488410

Catalog Number: FAB46481V

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TPT1/TCTP in direct ELISAs.
Source	Monoclonal Mouse IgG_{2A} Clone # 488410
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-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.*

Immunohistochemistry	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

TPT1 (translationally controlled tumor protein 1; also TCTP, HRF and fortilin) is a 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, calcium transporter, histamine inducer and antiapoptotic, caspase-3 inhibitor. Human TPT1 is 172 amino acids (aa) in length, with 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 TPT1 is 96% aa identical to mouse TPT1.

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