

Product datasheet for **TA339642**

ACP4 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-ACPT antibody: synthetic peptide directed towards the middle region of human ACPT. Synthetic peptide located within the following region: TLLALQGALGLYDGHTPPYAACLGFEFRKHLGNPAKDGGNVTVSLFYRND
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	43 kDa
Gene Name:	acid phosphatase, testicular
Database Link:	NP_149059 Entrez Gene 93650 Human Q9BZG2



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Background:

Acid phosphatases are enzymes capable of hydrolyzing orthophosphoric acid esters in an acid medium. This gene is up-regulated by androgens and is down-regulated by estrogens in the prostate cancer cell line. This gene exhibits a lower level of expression in testicular cancer tissues than in normal tissues. ACPT has structural similarity to prostatic and lysosomal acid phosphatases. Acid phosphatases are enzymes capable of hydrolyzing orthophosphoric acid esters in an acid medium. This gene is up-regulated by androgens and is down-regulated by estrogens in the prostate cancer cell line. This gene exhibits a lower level of expression in testicular cancer tissues than in normal tissues. The protein encoded by this gene has structural similarity to prostatic and lysosomal acid phosphatases. Alternatively spliced transcript variants have been described, but their biological validity has not been determined.

Synonyms:

acid phosphatase; testicular; testicular acid phosphatase

Note:

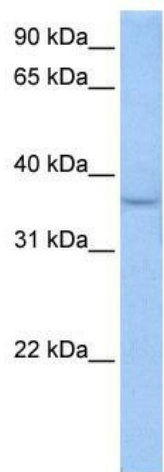
Immunogen Sequence Homology: Human: 100%

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

Riboflavin metabolism

Product images:

WB Suggested Anti-ACPT Antibody Titration: 0.2-1 ug/ml; Positive Control: HepG2 cell lysate