SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-ACPT antibody

Catalog Number: SL6289R

FOR RESEARCH USE ONLY

[DATASHEET]

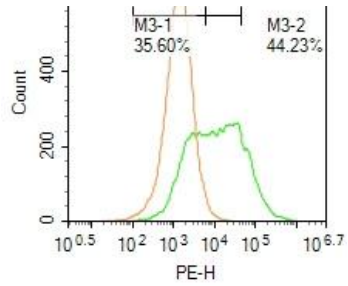
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	ACPT
Immunogen:	KLH conjugated synthetic peptide derived from human ACPT: 65-160/437
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	Flow-Cyt=0.2ug/test （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Dog,Horse)
Predicted MW.:	47kDa
Subcellular Location:	The cell membrane
Background:	Acid phosphatases are enzymes capable of hydrolyzing orthophosphoric acid esters in an acid medium. This gene is upregulated by androgens and is down-regulated by estrogens in the prostate cancer cell line. ACPT dephosphorylates receptor tyrosine-protein kinase erbB-4 and inhibits the ligand-induced proteolytic cleavage. ACPT is predominantly expressed in testis but exhibits a lower level of expression in testicular cancer tissues than in normal tissues. ACPT has structural similarity to prostatic and lysosomal acid phosphatases. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. **Subcellular Location:** Membrane; Single-pass type II membrane protein (Potential). **Tissue Specificity:** High levels in pancreatic, gastric, colorectal and ampullary cancer. Very weak expression in normal gastrointestinal and urogenital tract. **Similarity:** Belongs to the peptidase S1 family. Contains 1 LDL-receptor class A domain.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Contains 1 peptidase S1 domain. Contains 1 SRCR domain. **Database links:** **Entrez Gene:** 93650 Human Omim: 606362 Human **SwissProt:** Q9BZG2 Human **Unigene:** 293394 Human

[VALIDATION IMAGES]



Blank control: Hela.
Primary Antibody (green line): Rabbit Anti-ACPT antibody (SL6289R)
Dilution: 1μg /10^6 cells;
Isotype Control Antibody (orange line): Rabbit IgG .
Secondary Antibody : Goat anti-rabbit IgG-PE
Dilution: 0.2μg /test.
Protocol
The cells were incubated in 5 %BSA to block non-specific protein-protein interactions for 30 min at at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

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