Mouse ACP3/PAP Antibody Pair Set

Catalog No. E-KAB-0727 **Applications** ELISA
Synonyms ACPP;5'-NT;ACP-3;ACP3;acid phosphatase,prostate

Kit components & Storage

Title	Specifications	Storage
Mouse ACP3/PAP Capture Antibody	1 vial, 100 μ g	Store at -20℃. Avoid freeze / thaw cycles.
Mouse ACP3/PAP Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃. Avoid freeze / thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

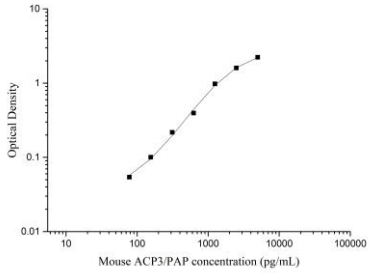
Product Information

Items		Characteristic (E-KAB-0727)	
		Mouse ACP3/PAP Capture Antibody	Mouse ACP3/PAP Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse ACP3 protein	Recombinant Mouse ACP3 protein
	Swissprot	Q8CE08	
Product details	Reactivity	Mouse	Mouse
	Host	Rabbit	Rabbit
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Protein A	Protein A & Antigen Affinity
	Specificity	Detects Mouse ACP3 in ELISAs.	

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
Web: www.elabscience.com Email: techsupport@elabscience.com

Applications

Mouse ACP3 Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4ug/mL	Mouse ACP3/PAP Capture Antibody	
ELISA Detection	1:1000-1:10000	Mouse ACP3/PAP Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

ACPP,also known as prostatic acid phosphatase,belongs to the histidine acid phosphatase family. It has phosphotyrosyl phosphatase activity. It is predominantly expressed in the prostate gland,and restricted to gladular and ductal epithelial cells,and mainly in the secreted form. It is also widely expressed in non-prostatic tissues,such as bladder,kidney,pancreas,lung,cervix,testis,and ovary,as a type I transmembrane protein with N-terminal phosphatase activity. The expression of ACPP correlates with prostate cell proliferation. High levels of ACPP leads to slow cell growth. Though the level of ACPP in the circulation is increased in prostate cancer patients,its level and activity are reduced in prostate cancer cells. ACPP serves as a tumor suppressor. Reduced ACPP levels result in hyperphosphorylation of HER-2 (human epidermal growth factor receptor-2),activating downstream MAPK signaling,prostate cancer progression and androgen-independent growth. In addition,ACPP dephosphorylates ErbB-2,blocking downstream ERK1/2 and AKT signaling and tumorigenicity.

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com