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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-PCK1 Antibody

Catalog Number: A02022-2

About PCK1

Aminopeptidase that plays a central role in peptide trimming, a step required for the generation of most HLA class I-binding peptides. Peptide trimming is essential to customize longer precursor peptides to fit them to the correct length required for presentation on MHC class I molecules. Strongly prefers substrates 9-16 residues long. Rapidly degrades 13-mer to a 9-mer and then stops. Preferentially hydrolyzes the residue Leu and peptides with a hydrophobic C-terminus, while it has weak activity toward peptides with charged C-terminus. May play a role in the inactivation of peptide hormones. May be involved in the regulation of blood pressure through the inactivation of angiotensin II and/or the generation of bradykinin in the kidney.

Hattori A., J. Biochem. 130:235-241(2001).
Nakajima D., DNA Res. 9:99-106(2002).
Clark H.F., Genome Res. 13:2265-2270(2003).

Overview

Product Name	Anti-PCK1 Antibody
Reactive Species	Human
Description	Boster Bio Anti-PCK1 Antibody catalog # A02022-2. Tested in ICC,IHC,WB applications. This antibody reacts with Human.
Application	IHC, ICC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P35558

Technical Details

Immunogen	Synthesized peptide derived from internal of human ARTS-1.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Isotype	IgG
Form	Liquid

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Concentration	1 mg/ml
Purification	ProA affinity purified
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: ICC: 1:50-1:200 IHC: 1:50-1:200 WB: 1:500

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Anti-PCK1 Antibody (A02022-2) Images

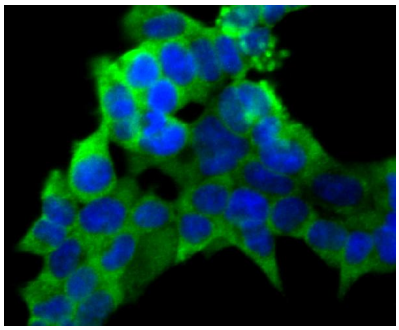

Figure 1. Immunocytochemistry staining of PCK1 using Anti-PCK1 Antibody (A02022-2).

ICC staining PCK1 in 293T cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde

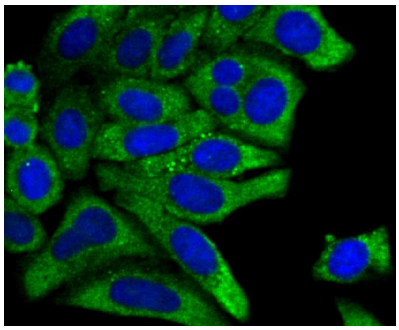

Figure 2. Immunocytochemistry staining of PCK1 using Anti-PCK1 Antibody (A02022-2).

ICC staining PCK1 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde