

Anti-PCK1 Antibody

Catalog Number: A02022

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, Mouse, Rat
Description	Boster Bio Anti-PCK1 Antibody catalog # A02022. Tested in WB applications. This antibody reacts with Human,Mouse,Rat.
Application	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

Concentration	1 mg/ml
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).
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: WB: 1:500-1:1000

Anti-PCK1 Antibody (A02022) Images

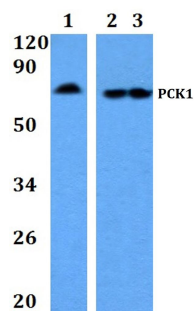


Figure 1. Western blotting validation for Anti-PCK1 Antibody A02022

Western blot (WB) analysis of PCK1 polyclonal antibody at 1:500 dilution

Lane1:Hela whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:The intestine tissue lysate of Rat

Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration

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