

Datasheet for ABIN4910490

**anti-HCK antibody**

3 Images

[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	HCK
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HCK antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunofluorescence (Cultured Cells) (IF (cc))

## Product Details

Immunogen:	This HCK antibody is generated from a mouse immunized with a recombinant protein of human HCK.
Clone:	8C1
Isotype:	IgG1
Cross-Reactivity:	Human
Purification:	Purified by Protein G.

## Target Details

Target:	HCK
Alternative Name:	HCK ( <a href="#">HCK Products</a> )
Background:	Synonyms: JTK9, p59Hck, p61Hck, Tyrosine-protein kinase HCK, Hematopoietic cell kinase,

## Target Details

Hemopoietic cell kinase, p59-HCK/p60-HCK, HCK

Background: Non-receptor tyrosine-protein kinase found in hematopoietic cells that transmits signals from cell surface receptors and plays an important role in the regulation of innate immune responses, including neutrophil, monocyte, macrophage and mast cell functions, phagocytosis, cell survival and proliferation, cell adhesion and migration. Acts downstream of receptors that bind the Fc region of immunoglobulins, such as FCGR1A and FCGR2A, but also CSF3R, PLAUR, the receptors for IFNG, IL2, IL6 and IL8, and integrins, such as ITGB1 and ITGB2. During the phagocytic process, mediates mobilization of secretory lysosomes, degranulation, and activation of NADPH oxidase to bring about the respiratory burst. Plays a role in the release of inflammatory molecules. Promotes reorganization of the actin cytoskeleton and actin polymerization, formation of podosomes and cell protrusions. Inhibits TP73-mediated transcription activation and TP73-mediated apoptosis. Phosphorylates CBL in response to activation of immunoglobulin gamma Fc region receptors. Phosphorylates ADAM15, BCR, ELMO1, FCGR2A, GAB1, GAB2, RAPGEF1, STAT5B, TP73, VAV1 and WAS.

Gene ID: 3055

UniProt: [P08631](#)

Pathways: [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Actin Filament Polymerization](#), [CXCR4-mediated Signaling Events](#), [Thromboxane A2 Receptor Signaling](#)

## Application Details

Application Notes: WB 1:300-5000  
IF(ICC) 1:50-200  
IF()

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.5 µg/µL

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

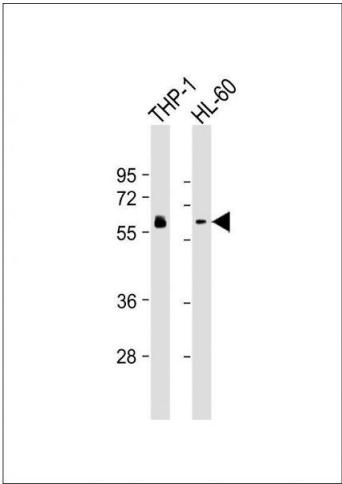
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

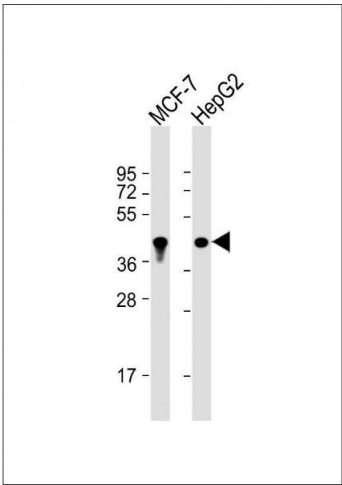
	handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months

Images



**Western Blotting**

**Image 1.** Lane 1: THP-1 Cell lysates, Lane 2: HL-60 Cell lysates, probed with HCK (1508CT602.13.1) Monoclonal Antibody, unconjugated (bsm-51307M) at 1:2000 overnight at 4°C followed by a conjugated secondary antibody for 60 minutes at 37°C.



**Western Blotting**

**Image 2.** Lane 1: MCF-7 Cell lysates, Lane 2: HepG2 Cell lysates, probed with HCK (1508CT602.13.1) Monoclonal Antibody, unconjugated (bsm-51308M) at 1:4000 overnight at 4°C followed by a conjugated secondary antibody for 60 minutes at 37°C.



Immunofluorescence (Cultured Cells)

**Image 3.** Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HepG2 cells labeled with HCK (1508CT602.13.1) Monoclonal Antibody (bsm-51307M) at 1/25 dilution, followed by secondary antibody (green), cytoplasmic actin staining (red), and nuclear counter stain with DAPI (blue).