

Summary

Production Name	Hck Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	HCK
Alternative Names	HCK; Tyrosine-protein kinase HCK; Hematopoietic cell kinase; Hemopoietic cell kinase; p59-HCK/p60-HCK; p59Hck; p61Hck
Gene ID	3055.0
SwissProt ID	P08631.The antiserum was produced against synthesized peptide derived from human HCK. AA range:381-430

Application

Dilution Ratio	WB 1:500-2000, IHC-P 1:100-1:300, IF-P/IF-F/ICC/IF 1:200-1:1000, ELISA 1:5000.Not yet tested in other applications.
Molecular Weight	

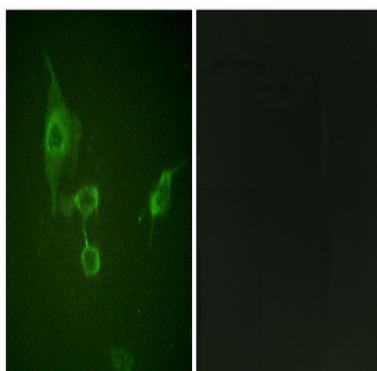
Background

The protein encoded by this gene is a member of the Src family of tyrosine kinases. This protein is primarily hemopoietic, particularly in cells of the myeloid and B-lymphoid lineages. It may help couple the Fc receptor to the activation of the respiratory burst. In addition, it may play a role in neutrophil migration and in the degranulation of neutrophils. Multiple isoforms with different subcellular distributions are produced due to both alternative splicing and the use of alternative translation initiation codons, including a non-AUG (CUG) codon. [provided by RefSeq, Feb 2010],catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate, domain:The SH3 domain mediates binding to HIV-1 Nef, function:May serve as part of a signaling pathway coupling the Fc receptor to the activation of the respiratory burst. May also contribute to neutrophil migration and may regulate the degranulation process of neutrophils, PTM:Isoform p59-HCK contains a N-myristoyl glycine at position 3 (By similarity). Isoform p59-HCK contains a S-palmitoyl cysteine at position 3, similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC subfamily, similarity:Contains 1 protein kinase domain, similarity:Contains 1 SH2 domain, similarity:Contains 1 SH3 domain, subunit:May interact (via SH3 domain) with HIV-1 Nef and Vif. This interaction would stimulates its tyrosine-kinase activity. Interacts (via SH3 domain) with HEV ORF3 protein, tissue specificity:Expressed predominantly in cells of the myeloid and B-lymphoid lineages,

Research Area

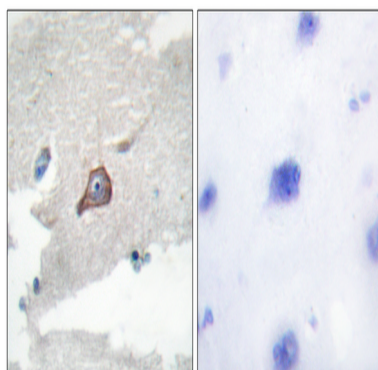
Chemokine;Fc gamma R-mediated phagocytosis;

Image Data

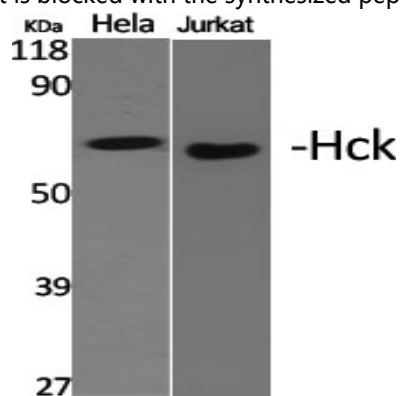


Immunofluorescence analysis of HepG2 cells, using HCK Antibody. The picture on the right is blocked with the synthesized peptide.

Product Name: Hck Rabbit Polyclonal Antibody
Catalog #: APRab11929



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using HCK Antibody Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Hck Polyclonal Antibody

Note

For research use only.