

Datasheet for ABIN392648  
**anti-NEK1 antibody (C-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	400 µL
Target:	NEK1
Binding Specificity:	AA 1165-1196, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NEK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This NEK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1165-1196 amino acids from the C-terminal region of human NEK1.
Clone:	RB2957
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	NEK1
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## Target Details

Alternative Name:	NEK1 ( <a href="#">NEK1 Products</a> )
Background:	<p>Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the <math>\gamma</math> phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The STE group (homologs of yeast Sterile 7, 11, 20 kinases) consists of 50 kinases related to the mitogen-activated protein kinase (MAPK) cascade families (Ste7/MAP2K, Ste11/MAP3K, and Ste20/MAP4K). MAP kinase cascades, consisting of a MAPK and one or more upstream regulatory kinases (MAPKKs) have been best characterized in the yeast pheromone response pathway. Pheromones bind to Ste cell surface receptors and activate yeast MAPK pathway.</p>
Molecular Weight:	142828
Gene ID:	4750
NCBI Accession:	<a href="#">NP_001186326</a> , <a href="#">NP_001186327</a> , <a href="#">NP_001186328</a> , <a href="#">NP_001186329</a> , <a href="#">NP_036356</a>
UniProt:	<a href="#">Q96PY6</a>

## Application Details

Application Notes:	WB: 1:500. IHC-P: 1:50~100
Restrictions:	For Research Use only

## Handling

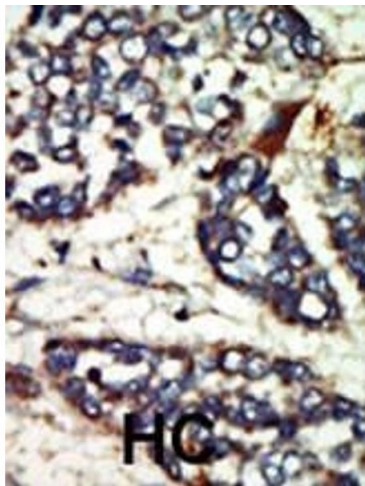
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small

Handling

aliquots to prevent freeze-thaw cycles.

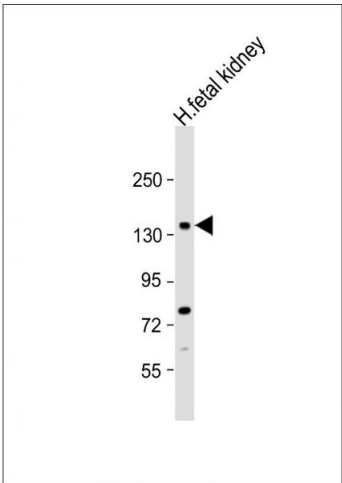
Expiry Date: 6 months

Images



Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



Western Blotting

**Image 2.** Anti-NEK1 Antibody (C-term) at 1:500 dilution + human fetal kidney lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 143 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.