

Datasheet for ABIN652427  
**anti-NEK3 antibody (AA 331-361)**[Go to Product page](#)

3 Images

1 Publication

## Overview

Quantity:	400 µL
Target:	NEK3
Binding Specificity:	AA 331-361
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NEK3 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This NEK3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 331-361 amino acids from the Central region of human NEK3.
Clone:	RB2961
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	NEK3
Alternative Name:	NEK3 ( <a href="#">NEK3 Products</a> )
Background:	In <i>Aspergillus nidulans</i> , lack of the serine/threonine kinase NimA (never in mitosis A) results in

## Target Details

cell cycle arrest in G2, while overexpression causes the premature onset of mitotic events. NEK3 is similar in sequence to the *Aspergillus nidulans* protein and may therefore play a role in mitotic regulation. However, the encoded protein differs from other NimA family members in that it is not cell cycle regulated and is found primarily in the cytoplasm.

Molecular Weight:	57705
NCBI Accession:	<a href="#">NP_001139571</a> , <a href="#">NP_002489</a> , <a href="#">NP_689933</a>
UniProt:	<a href="#">P51956</a>

## Application Details

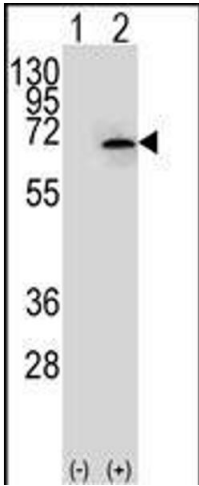
Application Notes:	WB: 1:2000. WB: 1:2000. WB: 1:1000
Restrictions:	For Research Use only

## 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
Expiry Date:	6 months

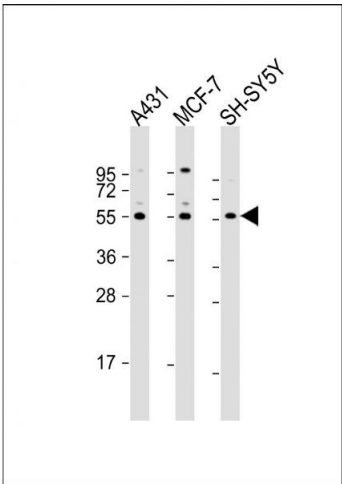
## Publications

Product cited in:	Geillinger, Rathmann, Köhrle, Fiamoncini, Daniel, Kipp: "Hepatic metabolite profiles in mice with a suboptimal selenium status." in: <b>The Journal of nutritional biochemistry</b> , Vol. 25, Issue 9, pp. 914-22, (2014) ( <a href="#">PubMed</a> ).
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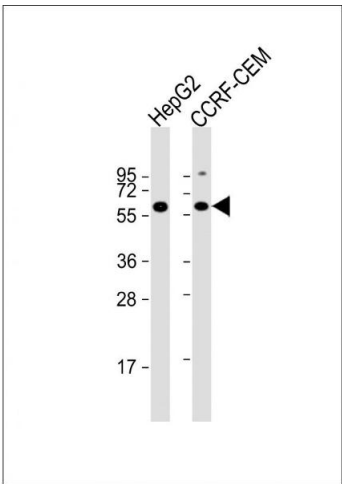
#### Western Blotting

**Image 1.** Western blot analysis of NEK3 (arrow) using rabbit polyclonal NEK3 Antibody (ABIN652427 and ABIN2842151). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the NEK3 gene.



#### Western Blotting

**Image 2.** All lanes : Anti-NEK3 Antibody at 1:2000 dilution  
Lane 1: A431 whole cell lysate Lane 2: MCF-7 whole cell lysate Lane 3: SH-SY5Y whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 58 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



#### Western Blotting

**Image 3.** All lanes : Anti-NEK3 Antibody at 1:2000 dilution  
Lane 1: HepG2 whole cell lysate Lane 2: CCRF-CEM whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 58 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.