

Datasheet for ABIN129582
anti-NEK2 antibody (AA 287-299)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	NEK2
Binding Specificity:	AA 287-299
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NEK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding aa 287-299 of Human NEK2 protein.
Isotype:	IgG
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

Target Details

Target:	NEK2
Alternative Name:	NEK2 (NEK2 Products)
Background:	NEK2, also called serine/threonine-protein kinase Nek2NimA-related protein kinase 2, NimA-like protein kinase 1 and HSPK 21, is a protein kinase involved in mitotic regulation that may have a role at the G ₂ -M transition and may also play a role in meiosis. NEK2 has a nuclear localization

Target Details

and accumulates throughout S phase and shows maximal levels in late G₂. This expression pattern is highly reminiscent of that of A and B cyclins.

Synonyms: Serine threonine protein kinase Nek2 antibody, HSPK21 antibody, NEK 2 antibody, NEK2A antibody, NIMA (never in mitosis gene a) related kinase 2 antibody, NimA like protein kinase 1 antibody, NIMA related kinase 2 antibody

Gene ID: 4751, 57791147

UniProt: [P51955](#)

Pathways: [M Phase](#)

Application Details

Application Notes: This affinity purified antibody has been tested for use in ELISA and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 52 kDa in size corresponding to NEK2 protein by western blotting in the appropriate cell lysate or extract. Splice variants exist for this protein that may result in the detection of lower molecular weight bands.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.0 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

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: -20 °C

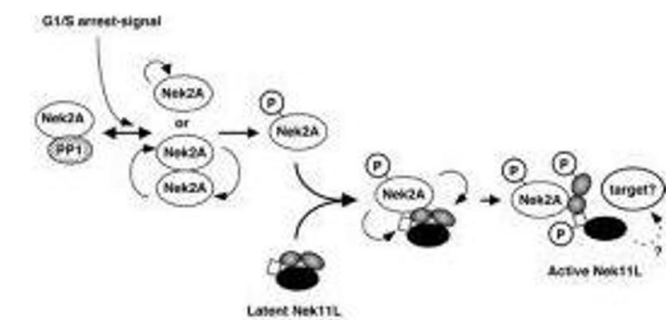
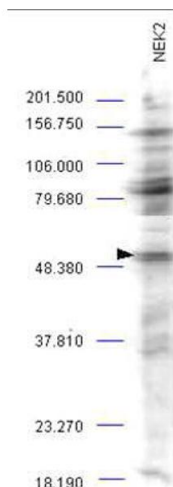


Image 1.



Western Blotting

Image 2. Western blot analysis is shown using Affinity Purified anti-NEK2 antibody to detect endogenous protein present in an unstimulated mouse A-20 whole cell lysate (arrowhead). Comparison to a molecular weight marker indicates a band of ~52 kDa corresponding to NEK2 protein. The blot was incubated with a 1:500 dilution of the antibody at room temperature followed by detection using standard techniques. Personal communication Steven Pelech, Kinexus Inc.