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Datasheet for ABIN907944

anti-NEK1 antibody (AA 301-400) (Alexa Fluor 647)

Overview

Quantity:	100 µL
Target:	NEK1
Binding Specificity:	AA 301-400
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NEK1 antibody is conjugated to Alexa Fluor 647
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NEK1
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Sheep,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	NEK1
Alternative Name:	NEK1 (NEK1 Products)

Target Details

Background: Synonyms: SRPS2, SRTD6, SRPS2A, NY-REN-55, Serine/threonine-protein kinase Nek1, Never in mitosis A-related kinase 1, NimA-related protein kinase 1, Renal carcinoma antigen NY-REN-55, NEK1, KIAA1901

Background: Phosphorylates serines and threonines, but also appears to possess tyrosine kinase activity. Implicated in the control of meiosis (By similarity). Involved in cilium assembly. In response to injury that includes DNA damage, NEK1 phosphorylates VDAC1 to limit mitochondrial cell death.

Gene ID: 4750

UniProt: [Q96PY6](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months