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Datasheet for ABIN6981309

anti-NEK6 antibody (AA 81-180) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	NEK6
Binding Specificity:	AA 81-180
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NEK6 antibody is conjugated to Alexa Fluor 680
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NEK6
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Dog,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	NEK6
Alternative Name:	NEK6 (NEK6 Products)

Target Details

Background: Synonyms: Highly similar to cell cycle protein kinase CDC5/MSD2, NEK6, NEK6_HUMAN, Never in mitosis A-related kinase 6, NIMA (Never In Mitosis Gene A) Related Kinase 6, NimA related protein kinase 6, NimA-related protein kinase 6, Protein kinase SID6 1512, Protein kinase SID6-1512, Putative serine threonine protein kinase, Serine/threonine protein kinase Nek6, Serine/threonine-protein kinase Nek6, SID61512.

Background: Protein kinase which plays an important role in mitotic cell cycle progression. Required for chromosome segregation at metaphase-anaphase transition, robust mitotic spindle formation and cytokinesis. Phosphorylates ATF4, CIR1, PTN, RAD26L, RBBP6, RPS7, RPS6KB1, TRIP4, STAT3 and histones H1 and H3. Phosphorylates KIF11 to promote mitotic spindle formation. Involved in G2/M phase cell cycle arrest induced by DNA damage. Inhibition of activity results in apoptosis. May contribute to tumorigenesis by suppressing p53/TP53-induced cancer cell senescence.

Gene ID: 10783

UniProt: [Q9HC98](#)

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.

Handling

Expiry Date: 12 months