Datasheet for ABIN6979537

# anti-NEK6 antibody (AA 81-180) (AbBy Fluor® 594)

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## Overview

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|---|---|
| Quantity: | 100 µL |
| Target: | NEK6 |
| Binding Specificity: | AA 81-180 |
| Reactivity: | Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This NEK6 antibody is conjugated to AbBy Fluor® 594 |
| Application: | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

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| 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

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| Target: | NEK6 |
| Alternative Name: | NEK6 (NEK6 Products) |

## Target Details

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| 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.<br>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

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| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions: | For Research Use only |

## Handling

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|---|---|
| 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

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| Expiry Date: | 12 months |