

NEK7 (Phospho-Ser204) Antibody

Catalog No: #SAB662

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Description

Product Name	NEK7 (Phospho-Ser204) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was purified from rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Applications	WB
Species Reactivity	Mouse
Specificity	NEK7 (Phospho-Ser204) Antibody detects endogenous levels of NEK7 only when phosphorylated at serine 204.
Immunogen Description	A synthesized peptide derived from human NEK7 around the phosphorylation site of S204.
Other Names	Serine/threonine-protein kinase Nek7, Never in mitosis A-related kinase 7, NimA-related protein kinase 7
SDS-PAGE MW	35kDa
Concentration	1 mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide.
Storage	Store at -20°C/1 year

Application Details

Western Blot: 1/500 - 1/2000

Background

Protein kinase which plays an important role in mitotic cell cycle progression (PubMed:17101132). Required for microtubule nucleation activity of the centrosome, robust mitotic spindle formation and cytokinesis (PubMed:17586473, PubMed:19414596). Phosphorylates RPS6KB1 (By similarity). Phosphorylates EML4 at 'Ser-146', promoting its dissociation from microtubules during mitosis which is required for efficient chromosome congression (PubMed:31409757).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.