

NIN Rabbit pAb

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Catalog # AP58771

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8N4C6
Predicted	Rat, Pig, Dog, Human, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	243249
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Ninein
Epitope Specificity	133-230/2090
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm, cytoskeleton, centrosome.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes one of the proteins important for centrosomal function. This protein is important for positioning and anchoring the microtubules minus-ends in epithelial cells. Localization of this protein to the centrosome requires three leucine zippers in the central coiled-coil domain. Multiple alternatively spliced transcript variants that encode different isoforms have been reported. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	51199
Other Names	Ninein, hNinein, Glycogen synthase kinase 3 beta-interacting protein, GSK3B-interacting protein, NIN, KIAA1565
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	NIN
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Synonyms	KIAA1565
Function	Centrosomal protein required in the positioning and anchorage of the microtubule minus-end in epithelial cells (PubMed: 15190203 , PubMed: 23386061). May also act as a centrosome maturation factor (PubMed: 11956314). May play a role in microtubule nucleation, by recruiting the gamma-tubulin ring complex to the centrosome (PubMed: 15190203). Overexpression does not perturb nucleation or elongation of microtubules but suppresses release of microtubules (PubMed: 15190203). Required for centriole organization and microtubule anchoring at the mother centriole (PubMed: 23386061).
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole Cell junction, desmosome {ECO:0000250 UniProtKB:Q61043}. Note=Component of the core centrosome. Arranged in a tubular conformation with an open and a closed end within the centrosome. In the mother centrosome, it localizes at both ends of the centrosome tube, including the site of centrosome duplication, while in the daughter centrosome it is present only at the closed end. Requires PCM1 for centrosome localization Localizes to the subdistal appendage region of the centriole in a DCTN1-dependent manner. Localizes to desmosome cell-cell junctions in terminally differentiated epidermal and keratinocyte cells (By similarity). {ECO:0000250 UniProtKB:Q61043, ECO:0000269 PubMed:11956314, ECO:0000269 PubMed:12403812, ECO:0000269 PubMed:23386061}
Tissue Location	Ubiquitous. Highly expressed in heart and skeletal muscle. Isoform 1 is more expressed than isoform 5

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.