PIN1 polyclonal antibody

Catalog # PAB8979 Size 100 ug

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PIN1.
Immunogen	A synthetic peptide corresponding to N-terminus amino acids 53-73 of human PIN1 and mouse Pin1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:10000) Western Blot (1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In buffer containing 0.02% sodium azide
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot

Gene Info — PIN1

Entrez GeneID	5300

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Gene Name	PIN1
Gene Alias	DOD, UBL5
Gene Description	peptidylprolyl cis/trans isomerase, NIMA-interacting 1
Omim ID	601052
Gene Ontology	Hyperlink
Gene Summary	The human PIN1 gene encodes an essential nuclear peptidylprolyl cis-trans isomerase (PPIase; EC 5.2.1.8) involved in regulation of mitosis. PIN1 belongs to a class of PPIases that includes the E. coli parvulin, yeast Ess1, and Drosophila dodo (dod) gene products (Lu et al., 1996 [PubMed 8606777]).[supplied by OMIM
Other Designations	peptidyl-prolyl cis/trans isomerase, NIMA-interacting|prolyl isomerase|protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting 1|protein (peptidylprolyl cis/trans isomerase) NIMA-interacting 1

Gene Info — Pin1

Entrez GeneID	23988
Gene Name	Pin1
Gene Alias	0610025L01Rik, D9Bwg1161e
Gene Description	protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting 1
Gene Ontology	Hyperlink
Other Designations	-

Publication Reference

- Pin1 has opposite effects on wild-type and P301L tau stability and tauopathy.

  Lim J, Balastik M, Lee TH, Nakamura K, Liou YC, Sun A, Finn G, Pastorino L, Lee VM, Lu KP.

  The Journal of Clinical Investigation 2008 May; 118(5):1877.

  Application: IHC-P, WB, Human, Mouse, Mouse brain, coronal sections, SH-SY5Y cells

- Pin1 promotes cell death in NGF-dependent neurons through a mechanism requiring c-Jun activity.

  Barone MC, Desouza LA, Freeman RS.

  Journal of Neurochemistry 2008 Jul; 106(2):734.

  Application: IF, WB-Tr, Human, Mouse, HEK 293 cells, Mouse sympathetic neurons

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- Pin1 interacts with c-Myb in a phosphorylation-dependent manner and regulates its transactivation activity.

  Pani E, Menigatti M, Schubert S, Hess D, Gerrits B, Klempnauer KH, Ferrari S.

  Biochimica et Biophysica Acta 2008 Jun; 1783(6):1121.

Disease

- Alzheimer disease
- Breast Neoplasms
- Carcinoma
- Cognition Disorders
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Lung Neoplasms
- Pulmonary Disease
- Urinary Bladder Neoplasms
- Werner syndrome

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