

Mouse PIN1 Monoclonal Antibody | anti-PIN1 antibody

PIN1 Antibody

CATALOG # AAA283549	HOST Mouse	REACTIVITY Human, mouse, rat	APPLICATIONS Western Blot, Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

PIN1; Monoclonal Antibody; PIN1 Antibody; Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1; Peptidyl-prolyl cis-trans isomerase Pin1; PPIase Pin1; Rotamase Pin1; anti-PIN1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, mouse, rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	855CT1.7.5
Specificity	Purified His-tagged PIN1 protein was used to produced this monoclonal antibody.
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Concentration	Vial Concentration: 0.35 (varies by lot)
Sequence Length	163
Applicable Applications for anti-PIN1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Recombinant Protein
Crown Antibody	Yes
Antigen Source	Human
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

PIN1 Antibody western blot analysis in Hela,293,mouse NIH/3T3,PC-12,COS-7 cell line and mouse brain,rat brain tissue lysates (35ug/lane).This demonstrates the PIN1 antibody detected the PIN1 protein (arrow).



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded H. breast section using PIN1 Antibody. AAA283549 was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

ADDITIONAL INFORMATION

Related Product Information for anti-PIN1 antibody	Essential PPlase that regulates mitosis presumably by interacting with NIMA and attenuating its mitosis-promoting activity. Displays a preference for an acidic residue N-terminal to the isomerized proline bond. Catalyzes pSer/Thr-Pro cis/trans isomerizations. Down-regulates kinase activity of BTK. Can transactivate multiple oncogenes and induce centrosome amplification, chromosome instability and cell transformation. Required for the efficient dephosphorylation and recycling of RAF1 after mitogen activation.
Product Categories/Family for anti-PIN1 antibody	Crown Antibodies; Cell Biology; Neuroscience
References	Ebert L., et al. Submitted (MAY-2004) to the EMBL/GenBank/DDBJ databases. Lu K.P., et al. Nature 380:544-547(1996). Kalnine N., et al. Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases. Ota T., et al. Nat. Genet. 36:40-45(2004). Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453898
NCBI GeneID	5300
NCBI Accession #	NP_006212.1
NCBI GenBank Nucleotide #	NM_006221.3
UniProt Accession #	Q13526; Q53X75; A8K4V9
Molecular Weight	18243
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase NIMA-interacting 1
NCBI Official Synonym Full Names	peptidylprolyl cis/trans isomerase, NIMA-interacting 1
NCBI Official Symbol	PIN1
NCBI Official Synonym Symbols	DOD; UBL5
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase NIMA-interacting 1
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1
UniProt Gene Name	PIN1
UniProt Synonym Gene Names	PPlase Pin1
UniProt Entry Name	PIN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pin1-antibody-clone-855ct1-7-5-western-blot-immunohistochemistry-elisa/283549>