

Rabbit anti-Human Pin1 Monoclonal Antibody | anti-PIN1 antibody

[KD Validated] Pin1 Rabbit mAb

CATALOG # AAA282968	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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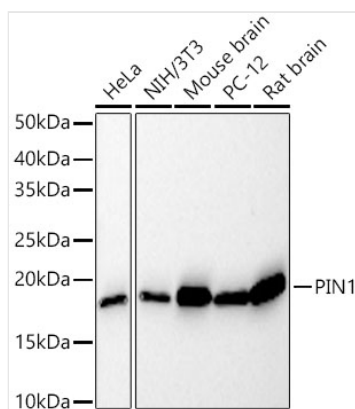
PRODUCT SYNONYMS

Pin1; Monoclonal Antibody; [KD Validated] Pin1 Rabbit mAb; DOD; UBL5; [KD Validated] Pin1; anti-PIN1 antibody

PRODUCT SPECIFICATIONS

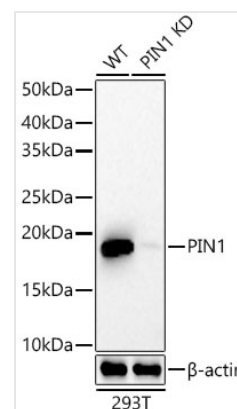
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MADEEKLP PG WEKRMSRSSG RYYYFNHITN ASQWERPSGN SSSGGKNGQG EPARVRCSHL LVKHSQSRRP SSWRQEKITR TKEEALELIN GYIQKIKSGE EDFESLASQF SDCSSAKARG DLGAFSRGQM QKPFEDASFA LRTGEMSGPV FTDSGIHIL RTE
Applicable Applications for anti-PIN1 antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-163 of human Pin1 (NP_006212.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of various lysates, using [KD Validated] Pin1 Rabbit mAb (AAA282968) at 1:2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



WB (Western Blot)

Western blot analysis of lysates from wild type (WT) and Pin1 knockdown (KD) 293T cells, using [KD Validated] Pin1 Rabbit mAb (AAA282968) at 1:2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-PIN1 antibody	Peptidyl-prolyl cis/trans isomerases (PPlases) catalyze the cis/trans isomerization of peptidyl-prolyl peptide bonds. This gene encodes one of the PPlases, which specifically binds to phosphorylated ser/thr-pro motifs to catalytically regulate the post-phosphorylation conformation of its substrates. The conformational regulation catalyzed by this PPlase has a profound impact on key proteins involved in the regulation of cell growth, genotoxic and other stress responses, the immune response, induction and maintenance of pluripotency, germ cell development, neuronal differentiation, and survival. This enzyme also plays a key role in the pathogenesis of Alzheimer's disease and many cancers. Multiple alternatively spliced transcript variants have been found for this gene.
Product Categories/Family for anti-PIN1 antibody	Cell Biology Developmental Biology; Cell Cycle; Neuroscience; Neurodegenerative Diseases; Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease; Antibodies

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	Calculated MW: 18kDa
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.