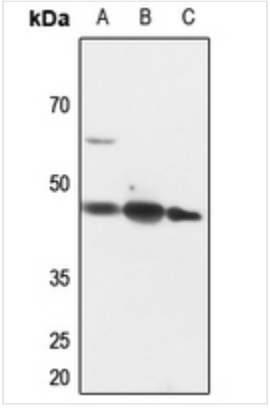
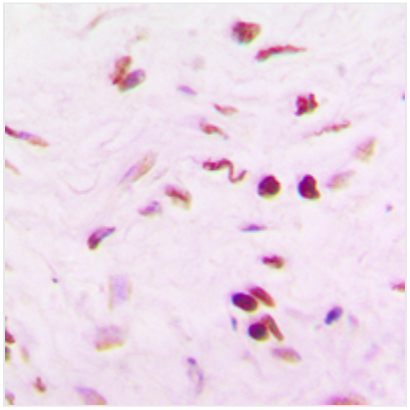
PINX1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PINX1, Polyclonal Antibody
Full Product Name	Anti-PINX1 Antibody
Product Gene Name	anti-PINX1 antibody
Product Synonym Names	LPTL; LPTS; PIN2/TERF1-interacting telomerase inhibitor 1; Liver-related putative tumor suppressor; Pin2-interacting protein X1; Protein 67-11-3; TRF1-interacting protein 1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	19,714 Da
OMIM	606505
3D Structure	ModBase 3D Structure for Q96BK5
Applications Tested/Suitable for anti-PINX1 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Related Product Information for anti-PINX1 antibody	MBS9233433 is an antibody targeting PINX1. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to PINX1
Other Notes	Small volumes of anti-PINX1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Wester Blot (WB) of anti-PINX1 antibody
Dilution: WB 1/500 - 1/1000Western blot analysis of PINX1 expression in rat heart (A), rat muscle (B), rat brain (C) whole cell lysates.



Immunohistochemistry (IHC) of anti-PINX1 antibody
Dilution: IH 1/50 - 1/200Immunohistochemical analysis of PINX1 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PINX1. It may not necessarily be applicable to this product.

NCBI GI #	547234890
NCBI GeneID	54984
NCBI Accession #	NP_001271285.1
UniProt Primary Accession #	Q96BK5
UniProt Secondary Accession #	Q548A5; Q6QWG9; Q7Z7J8; Q96QD7; Q9HBU7; Q9NWW2; B2R9B1
UniProt Related Accession #	Q96BK5
GenBank Nucleotide #	NM_001284356.1
NCBI Official Full Name	PIN2/TERF1-interacting telomerase inhibitor 1 isoform 2
NCBI Official Synonym Full Names	PIN2/TERF1 interacting, telomerase inhibitor 1
NCBI Official Symbol	PINX1
NCBI Official Synonym Symbols	LPTL; LPTS
UniProt Protein Name	PIN2/TERF1-interacting telomerase inhibitor 1
UniProt Synonym Protein Names	Liver-related putative tumor suppressor; Pin2-interacting protein X1; Protein 67-11-3; TRF1-interacting protein 1
Protein Family	PIN2/TERF1-interacting telomerase inhibitor
UniProt Gene Name	PINX1
UniProt Synonym Gene Names	LPTL; LPTS
UniProt Entry Name	PINX1_HUMAN
NCBI Protein Information	PIN2/TERF1-interacting telomerase inhibitor 1; 67-11-3 protein; PIN2 interacting protein 1; PIN2-interacting protein 1; TRF1-interacting protein 1; hepatocellular carcinoma-related putative tumor suppressor; liver-related putative tumor suppressor; pin2-i
UniProt Comments for PINX1	PINX1: Microtubule-binding protein essential for faithful chromosome segregation. Mediates TRF1 and TERT accumulation in nucleolus and enhances TRF1 binding to telomeres. Inhibits telomerase activity. May inhibit cell proliferation and act as tumor suppressor. Belongs to the PINX1 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Tumor suppressor; Inhibitor; Nucleolus Chromosomal Location of Human Ortholog: 8p23 Cellular Component: nucleoplasm; kinetochore; nuclear chromosome; chromosome, telomeric region; mitochondrion; intracellular membrane-bound organelle; cytoplasm; nucleolus; spindle; nucleus Molecular Function: protein binding Biological Process: negative regulation of cell proliferation; negative regulation of telomerase activity; regulation of telomerase activity; telomere maintenance via telomerase; mitotic metaphase plate congression
Research Articles on PINX1	**1.** Data confirmed that levels of PinX1 and caspase 3, 8 and 9 expression were closely linked to the poor prognosis of colorectal cancer.
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