

Rabbit anti-Human PINX1 Polyclonal Antibody | anti-PINX1 antibody

PINX1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327705	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

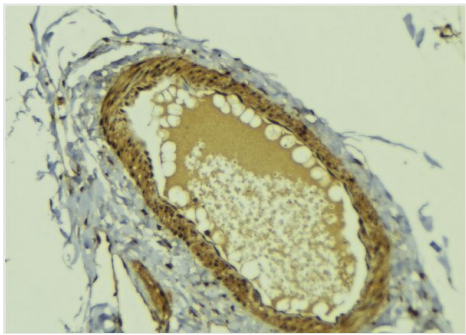
PRODUCT SYNONYMS

PINX1; Polyclonal Antibody; PINX1 Antibody; 67-11-3 protein; FLJ20565; Hepatocellular carcinoma-related putative tumor suppressor; Liver-related putative tumor suppressor; LPTL; LPTS; MGC8850; OTTHUMP00000224984; OTTHUMP00000224985; OTTHUMP00000224986; OTTHUMP00000225053; OTTHUMP00000225054; PIN2 interacting protein 1; Pin2-interacting protein X1; PIN2/TERF1-interacting telomerase inhibitor 1; PINX1_HUMAN; Protein 67-11-3; TRF1-interacting protein 1; anti-PINX1 antibody

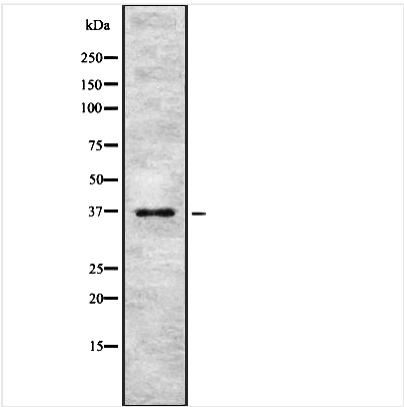
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	PINX1 antibody detects endogenous levels of total PINX1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	174
Applicable Applications for anti-PINX1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PINX1
Subcellular Location	Nucleus. Nucleus > Nucleolus. Chromosome > Telomere. Chromosome > Centromere > Kinetochore. Localizes in nucleoli, at telomere speckles and to the outer plate of kinetochores. Localization to the kinetochore is mediated by its central region and depends on NDC80 and CENPE.
Tissue Specificity	Ubiquitous; expressed at low levels. Not detectable in a number of hepatocarcinoma cell lines.
Predicted Cross Reactivity	Pig, Rabbit
Similarity	Pig (83%), Rabbit (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327705 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of PINX1 using NIH-3T3 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-PINX1 antibody	Function: 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. Subunit Structure: Interacts with MCRS1, TERT, TERF1, NCL/nucleolin, and the telomerase RNA. Similarity: The TID (telomerase inhibiting domain) domain is sufficient to bind TERT and inhibit its activity.The TBM domain mediates interaction with TERF1. Belongs to the PINX1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	547234890
NCBI GeneID	54984
NCBI Accession #	NP_001271285.1
NCBI GenBank Nucleotide #	NM_001284356.1
UniProt Accession #	Q96BK5; Q548A5; Q6QWG9; Q7Z7J8; Q96QD7; Q9HBU7; Q9NWW2; B2R9B1
Molecular Weight	Observed: 37 kDa Predicted: 38 kDa
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	Gno1; LPTL; LPTS; Pxr1
NCBI Protein Information	PIN2/TERF1-interacting telomerase inhibitor 1
UniProt Protein Name	PIN2/TERF1-interacting telomerase inhibitor 1
UniProt Gene Name	PINX1
UniProt Synonym Gene Names	LPTL; LPTS

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.