Datasheet for ABIN3042502

anti-PINX1 antibody (N-Term)

1 Image

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Overview

Quantity:	100 µg
Target:	PINX1
Binding Specificity:	AA 54-83, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PINX1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for PIN2/TERF1-interacting telomerase inhibitor 1(PINX1) detection. Tested with WB in Human.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human PINX1 (54-83aa DHIKVQVKNNHLGLGATINNEDNWIAHQDD), different from the related mouse and rat sequences by three amino acids.
Sequence:	DHIKVQVKNN HLGLGATINN EDNWIAHQDD
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for PIN2/TERF1-interacting telomerase inhibitor 1(PINX1) detection. Tested with WB in Human. Gene Name: PIN2/TERF1 interacting, telomerase inhibitor 1

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Product Details

	Protein Name: PIN2/TERF1-interacting telomerase inhibitor 1
Purification:	Immunogen affinity purified.

Target Details

Target:	PINX1
Alternative Name:	PINX1 (PINX1 Products)
Background:	PINX1, also known as PIN2 interacting protein 1, is a telomerase inhibitor and a possible tumor suppressor. It is mapped to 8p23. Over-expression of PINX1 results in decreased telomerase activity, telomere shortening, and induction of crisis. Reduction of PINX1 leads to an increase in telomerase activity and elongation of telomeres. PINX1 differs from other proteins that regulate telomere length in that it acts on telomerase while other proteins adjust telomere length without affecting telomerase activity. The PINX1 budding yeast orthologue Gnop1 inhibits telomerase by isolating the uncomplexed TERT protein so that it cannot associate with the telomerase template RNA, which prevents telomerase from being assembled. However, in humans, PINX1 impedes already assembled telomerase. Synonyms: 67-11-3 protein antibodyFLJ20565 antibody|Hepatocellular carcinoma-related putative tumor suppressor antibody|Liver-related putative tumor suppressor antibody|LPTL antibody|LPTS antibody|MGC8850 antibody|OTTHUMP00000224984 antibody|OTTHUMP00000224985 antibody| OTTHUMP00000224986 antibody|OTTHUMP00000225053 antibody|OTTHUMP00000225054 antibody|PIN2 interacting protein 1 antibody|Pin2-interacting protein X1 antibody|PIN2/TERF1-interacting telomerase inhibitor 1 antibody|PINX1 antibody|PINX1_HUMAN antibody|Protein 67-11-3 antibody|TRF1-interacting protein 1 antibody
Gene ID:	54984

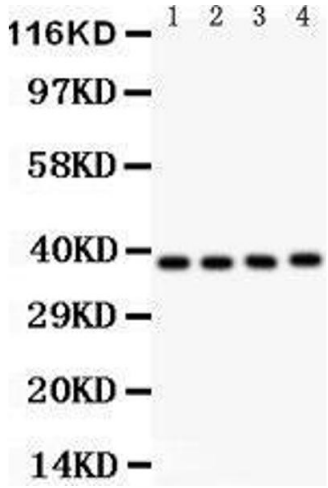
Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Validation report #300033 for Immunohistochemistry (IHC)



Western Blotting

Image 1. Anti- PINX1 Picoband antibody, Western blotting All lanes: Anti PINX1 at 0.5ug/ml Lane 1: Human Placenta Tissue Lysate at 50ug Lane 2: HELA Whole Cell Lysate at 40ug Lane 3: HUT Whole Cell Lysate at 40ug Lane 4: JURKAT Whole Cell Lysate at 40ug Predicted bind size: 37KD Observed bind size: 37KD