

Anti-PIN4 Antibody (1S803)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	1S803
Purification:	Affinity-chromatography

Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none">-Positive WB detected in: U251 whole cell lysate, MCF-7 whole cell lysate, HEK293 whole cell lysate, Hela whole cell lysate, Jurkat whole cell lysate, PC3 whole cell lysate-All lanes: PIN4 antibody at 1:1000-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution-Predicted band size: 14, 17, 15 kDa-Observed band size: 12-17 kDa <p>2. IHC image of TMAH-00981 diluted at 1:100 and staining in paraffin-embedded human testis tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.</p> <p>3. Immunofluorescence staining of MCF-7 cell with TMAH-00981 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 598-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).</p>
Application:	ELISA,IF,IHC,WB
Recommended	WB:1:500-1:2000; IHC:1:50-1:200; IF:1:50-1:200.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: Human PIN4
Antigen Species:	Human
Gene ID:	5303
Uniprot ID:	Q9Y237
Synonyms:	Peptidyl-prolyl cis/trans isomerase EPVH;Rotamase Pin4;Parvulin-17;Parvulin-14;Peptidyl-prolyl cis-trans isomerase Pin4;PIN4;Peptidyl-prolyl cis-trans isomerase NIMA-interacting 4
Biology Area:	Epigenetics and Nuclear Signaling, Metabolism, Signal transduction

Research Background

Isoform 1 is involved as a ribosomal RNA processing factor in ribosome biogenesis. Binds to tightly bent AT-rich stretches of double-stranded DNA. Isoform 2 binds to double-stranded DNA.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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