

Rabbit PID1 Polyclonal Antibody | anti-PID1 antibody

Anti-PID1 Antibody Picoband

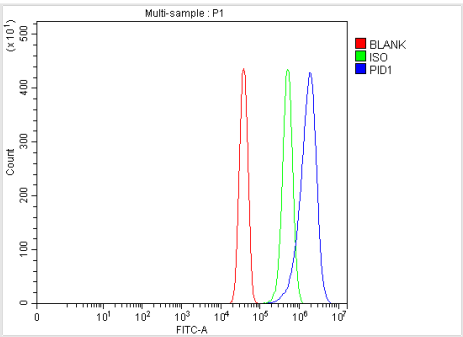
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127445	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

PID1; Polyclonal Antibody; Anti-PID1 Antibody Picoband; anti-PID1 antibody

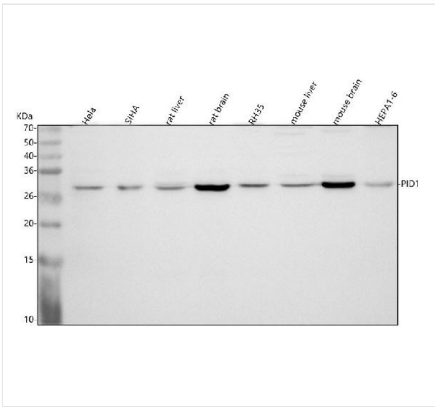
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-PID1 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human PID1 recombinant protein (Position: M1-K227). Human PID1 shares 97.3% amino acid (aa) sequence identity with mouse PID1.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of U251 cells using anti-PID1 antibody (AAA127445).Overlay histogram showing U251 cells stained with AAA127445 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-PID1 Antibody (AAA127445, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of PID1 using anti-PID1 antibody (AAA127445).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human Hela whole cell lysates,Lane 2: human SIHA whole cell lysates,Lane 3: rat liver tissue lysates,Lane 4: rat brain tissue lysates,Lane 5: rat RH35 whole cell lysates,Lane 6: mouse liver tissue lysates,Lane 7: mouse brain tissue lysates,Lane 8: mouse HEP1-6 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PID1 antigen affinity purified polyclonal antibody (#AAA127445) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for PID1 at approximately 28 kDa. The expected band size for PID1 is at 28 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PID1 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-PID1 antibody	Primary Antibodies
References	1. Hartz, P. A. Personal Communication. Baltimore, Md. 5/22/2013.2. Wang, B., Zhang, M., Ni, Y., Liu, F., Fan, H., Fei, L., Pan, X., Guo, M., Chen, R., Guo, X. Identification and characterization of NYGGF4, a novel gene containing a phosphotyrosine-binding (PTB) domain that stimulates 3T3-L1 preadipocytes proliferation. Gene 379: 132-140, 2006.3. Wu, W. L., Gan, W. H., Tong, M. L., Li, X. L., Dai, J. Z., Zhang, C. M., Guo, X. R. Over-expression of NYGGF4 (PID1) inhibits glucose transport in skeletal myotubes by blocking the IRS1/PI3K/AKT insulin pathway. Molec. Genet. Metab. 102: 374-377, 2011.

NCBI AND UNIPROT INFORMATION

NCBI GI #	154816208
NCBI GeneID	55022
NCBI Accession #	NP_001094288.1
NCBI GenBank Nucleotide #	NM_001100818.1
UniProt Accession #	Q7Z2X4; Q68CJ2; Q6ZUS3; Q8IXL0; Q9NWP6; B3KU82
Molecular Weight	28,272 Da
NCBI Official Full Name	PTB-containing, cubilin and LRP1-interacting protein isoform 2
NCBI Official Synonym Full Names	phosphotyrosine interaction domain containing 1

NCBI Official Symbol	PID1
NCBI Official Synonym Symbols	PCLI1; NYGGF4; P-CLI1; HMFN2073
NCBI Protein Information	PTB-containing, cubilin and LRP1-interacting protein; phosphotyrosine interaction domain-containing protein 1
UniProt Protein Name	PTB-containing, cubilin and LRP1-interacting protein
UniProt Gene Name	PID1
UniProt Synonym Gene Names	NYGGF4; PCLI1; HMFN2073; P-CLI1
UniProt Entry Name	PCLI1_HUMAN

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Online datasheet: <https://www.aaabiotech.com/polyclonal/pid1-antibody-flow-cytometry-western-blot-elisa/127445>