

Rabbit anti-Mouse GADD34/Ppp1r15a Polyclonal Antibody | anti-PPP1R15A antibody

Anti-GADD34/Ppp1r15a Antibody Picoband

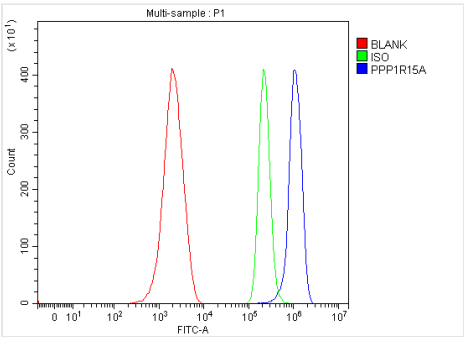
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126221	Rabbit	Mouse	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

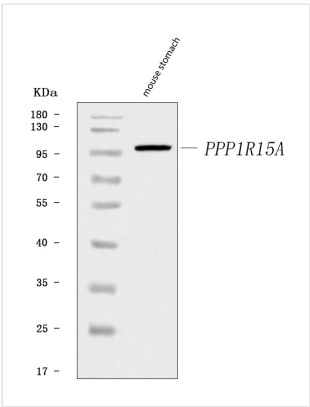
GADD34/Ppp1r15a; Polyclonal Antibody; Anti-GADD34/Ppp1r15a Antibody Picoband; anti-PPP1R15A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
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 .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-PPP1R15A antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived mouse GADD34/Ppp1r15a recombinant protein (Position: R14-R572).
Preparation and Storage	Store 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 ANA-1 cells using anti-GADD34/Ppp1r15a antibody (AAA126221).Overlay histogram showing ANA-1 cells stained with AAA126221 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-GADD34/Ppp1r15a Antibody (AAA126221, 1 ug/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 (1 ug/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 GADD34/Ppp1r15a using anti-GADD34/Ppp1r15a antibody (AAA126221).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: mouse stomach tissue 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-GADD34/Ppp1r15a antigen affinity purified polyclonal antibody (#AAA126221) at 0.5 ug/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 GADD34/Ppp1r15a at approximately 100 kDa. The expected band size for GADD34/Ppp1r15a is at 73 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PPP1R15A antibody	Protein phosphatase 1 regulatory subunit 15A also known as growth arrest and DNA damage-inducible protein GADD34 is a protein that in humans is encoded by the PPP1R15A gene. Enables protein phosphatase binding activity and protein phosphatase regulator activity. Involved in several processes, including peptidyl-serine dephosphorylation; regulation of gene expression; and regulation of protein modification process. Acts upstream of or within endoplasmic reticulum unfolded protein response. Predicted to be located in several cellular components, including Golgi apparatus; cytosol; and mitochondrion. Predicted to be part of protein phosphatase type 1 complex. Predicted to be active in endoplasmic reticulum. Is expressed in several structures, including central nervous system; genitourinary system; gut; hemolymphoid system gland; and liver. Used to study thalassemia. Orthologous to human PPP1R15A (protein phosphatase 1 regulatory subunit 15A).
Product Categories/Family for anti-PPP1R15A antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	6678978
NCBI GeneID	17872
NCBI Accession #	NP_032680.1
NCBI GenBank Nucleotide #	NM_008654.2
UniProt Accession #	P17564; Q3TJS6; Q3U3L5; Q8C579
Molecular Weight	71,840 Da
NCBI Official Full Name	protein phosphatase 1 regulatory subunit 15A
NCBI Official Synonym Full Names	protein phosphatase 1, regulatory (inhibitor) subunit 15A
NCBI Official Symbol	Ppp1r15a

NCBI Official Synonym Symbols	Gadd34; Myd116; 9630030H21
NCBI Protein Information	protein phosphatase 1 regulatory subunit 15A; growth arrest and DNA-damage-inducible 34; myeloid differentiation primary response gene 116; growth arrest and DNA damage-inducible protein GADD34; myeloid differentiation primary response protein MyD116
UniProt Protein Name	Protein phosphatase 1 regulatory subunit 15A
UniProt Gene Name	Ppp1r15a
UniProt Synonym Gene Names	Gadd34; Myd116
UniProt Entry Name	PR15A_MOUSE

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gadd34-ppp1r15a-antibody-flow-cytometry-western-blot-elisa/126221>