

Rabbit anti-Human, Rat GADD34/PPP1R15A Polyclonal Antibody | anti-PPP1R15A antibody

Anti-GADD34/PPP1R15A Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126220	Rabbit	Human, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
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, IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human GADD34/PPP1R15A recombinant protein (Position: A574-E602).
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.

IMAGES



IHC (Immunohistochemistry)

Figure 2. IHC analysis of GADD34/PPP1R15A using anti-GADD34/PPP1R15A antibody (AAA126220). GADD34/PPP1R15A was detected in a paraffin-embedded section of human melanom tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-GADD34/PPP1R15A Antibody (AAA126220) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of GADD34/PPP1R15A using anti-GADD34/PPP1R15A antibody (AAA126220). 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 K562 whole cell lysates, Lane 2: human HEL whole cell lysates, Lane 3: human RT4 whole cell lysates, Lane 4: human U251 whole cell lysates, Lane 5: human SIHA whole cell lysates, Lane 6: human U-87MG whole cell lysates, Lane 7: human PC-3 whole cell lysates, Lane 8: rat testis 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 (#AAA126220) 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.
Product Categories/Family for anti-PPP1R15A antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	157674363
NCBI GeneID	23645
NCBI Accession #	NP_055145.3
NCBI GenBank Nucleotide #	NM_014330.3
UniProt Accession #	O75807; Q6IA96; Q9NVU6; B4DKQ3
Molecular Weight	56,515 Da
NCBI Official Full Name	protein phosphatase 1 regulatory subunit 15A
NCBI Official Synonym Full Names	protein phosphatase 1, regulatory subunit 15A
NCBI Official Symbol	PPP1R15A
NCBI Official Synonym Symbols	GADD34
NCBI Protein Information	protein phosphatase 1 regulatory subunit 15A; growth arrest and DNA damage-inducible protein GADD34; growth arrest and DNA-damage-inducible 34; myeloid differentiation primary response protein MyD116 homolog; protein phosphatase 1, regulatory (inhibitor)
UniProt Protein Name	Protein phosphatase 1 regulatory subunit 15A
UniProt Gene Name	PPP1R15A
UniProt Synonym Gene Names	GADD34
UniProt Entry Name	PR15A_HUMAN

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-immunohistochemistry-western-blot-elisa/126220>