

## Anti-GADD34/Ppp1r15a Antibody Picoband® Fluoro550 Conjugated

Catalog Number: A02394-4-Fluoro550

### About Ppp1r15a

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).

### Overview

Product Name	Anti-GADD34/Ppp1r15a Antibody Picoband® Fluoro550 Conjugated
Reactive Species	Mouse
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P17564

### Technical Details

Immunogen	E.coli-derived mouse GADD34/Ppp1r15a recombinant protein (Position: R14-R572).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro550 Excitation Wavelength: 562 nm Emission Wavelength: 576 nm

Suggested Dilutions

Optimal dilutions should be determined by end users.

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