

Anti-GADD45A Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PB9945-Fluoro488

About GADD45A

Growth arrest and DNA-damage-inducible protein GADD45 alpha (GADD45A) is a protein that in humans is encoded by the GADD45A gene. This gene is a member of a group of genes whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. It is located on 1p34-p12. Sequence analysis of human and hamster cDNA clones demonstrated that the gene has been highly conserved and encodes a novel 165-amino acid polypeptide. Northern blot analysis detected moderate expression of a 1.4-kb GADD45A transcript in heart, skeletal muscle, and kidney, with little or no expression in brain, placenta, lung, liver, and pancreas. In addition, Gadd45a promotes epigenetic gene activation by repair-mediated DNA demethylation.

Overview

Product Name	Anti-GADD45A Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (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 ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P24522

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human GADD45A, identical to the related mouse and rat sequences.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm

Suggested Dilutions

Optimal dilutions should be determined by end users.

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