

Basic Information

Product Name	Anti-GADD45A Antibody
Gene Name	GADD45A
Source	Rabbit
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS , 0.02% NaN ₃ , 1 mg BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human GADD45A(129-143aa NPHSSQWKDPALSQL), identical to the related mouse and rat sequences.
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	18KD
Dilution Ratios	Western blot(WB):1:500-2000

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

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. Papathanasiou et al.(1991) demonstrated that the GADD45 gene 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. Gadd45a promotes epigenetic gene activation by repair-mediated DNA demethylation.

Selected Validation Data

Product datasheet

Anti-GADD45A Antibody

Catalog Number: **BA4227-2**

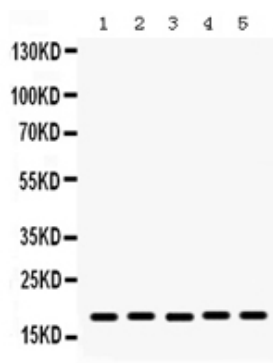
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GADD45A(BA4227-2)(MW:18KD)大鼠脑、肝组织, Hela, HT1080,
MCF-7细胞裂解, 免疫印迹分析.