

Rabbit GADD45A Polyclonal Antibody | anti-GADD45A antibody

GADD45A Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285590	Rabbit	Human (Predicted Reactivity: Bovine)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

GADD45A; Polyclonal Antibody; GADD45A Antibody (N-term); Growth arrest and DNA damage-inducible protein GADD45 alpha; DNA damage-inducible transcript 1 protein; DDIT-1; DDIT1; GADD45; anti-GADD45A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GADD45A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human GADD45A.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	1-30
Sequence Length	131
Applicable Applications for anti-GADD45A antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

GADD45A Antibody (N-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)

Western blot analysis of GADD45A (arrow) using rabbit polyclonal GADD45A Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the GADD45A gene.



WB (Western Blot)

Western blot analysis of anti-GADD45A Antibody (N-term) in Y79 cell line lysates (35ug/lane).
GADD45A (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-GADD45A antibody	GADD45A responds to environmental stresses by mediating activation of the p38/JNK pathway via MTK1/MEKK4 kinase. The GADD45A 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. The DNA damage-induced transcription of this gene is mediated by both p53-dependent and -independent mechanisms.
References	Li,L.S., J. Biol. Chem. 283 (31), 21394-21403 (2008) Al-Romaih,K., Neoplasia 10 (5), 471-480 (2008) Zhu,Q.S., Cancer Res. 68 (8), 2895-2903 (2008) Kearsey,J.M., Oncogene 11 (9), 1675-1683 (1995)

NCBI AND UNIPROT INFORMATION

NCBI GI #	315075323
NCBI GeneID	1647
NCBI Accession #	NP_001186670.1; NP_001186671.1; NP_001915.1
NCBI GenBank Nucleotide #	NM_001199741.1
UniProt Accession #	P24522; Q5TCA7; Q5TCA8
Molecular Weight	18336
NCBI Official Full Name	growth arrest and DNA damage-inducible protein GADD45 alpha isoform 2
NCBI Official Synonym Full Names	growth arrest and DNA-damage-inducible, alpha
NCBI Official Symbol	GADD45A
NCBI Official Synonym Symbols	DDIT1; GADD45
NCBI Protein Information	growth arrest and DNA damage-inducible protein GADD45 alpha
UniProt Protein Name	Growth arrest and DNA damage-inducible protein GADD45 alpha
UniProt Gene Name	GADD45A
UniProt Synonym Gene Names	DDIT1; GADD45; DDIT-1
UniProt Entry Name	GA45A_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/gadd45a-antibody-flow-cytometry-western-blot-elisa/285590>