

ARG54931 anti-GADD45 alpha antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes GADD45A
Tested Reactivity	Hu
Predict Reactivity	Bov
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GADD45 alpha
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 1-30 (N-terminus) of Human GADD45 alpha.
Conjugation	Un-conjugated
Alternate Names	Growth arrest and DNA damage-inducible protein GADD45 alpha; DDIT1; GADD45; DNA damage-inducible transcript 1 protein; DDIT-1

Application Instructions

Application table	Application	Dilution
	FACS	1:10 - 1:50
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Y79	

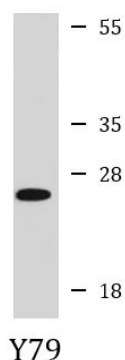
Properties

Form	Liquid
Purification	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

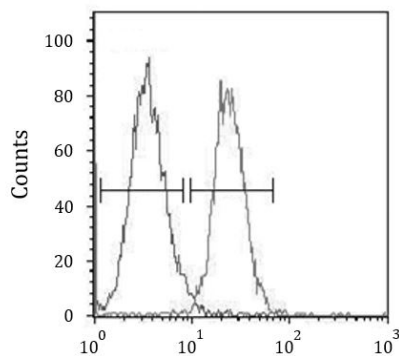
Database links	GeneID: 1647 Human Swiss-port # P24522 Human
Gene Symbol	GADD45A
Gene Full Name	growth arrest and DNA-damage-inducible, alpha
Background	This gene is a member of a group of genes whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. The protein encoded by this gene responds to environmental stresses by mediating activation of the p38/JNK pathway via MTK1/MEKK4 kinase. The DNA damage-induced transcription of this gene is mediated by both p53-dependent and -independent mechanisms. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.[provided by RefSeq, Dec 2010]
Function	In T-cells, functions as a regulator of p38 MAPKs by inhibiting p88 phosphorylation and activity (By similarity). Might affect PCNA interaction with some CDK (cell division protein kinase) complexes; stimulates DNA excision repair in vitro and inhibits entry of cells into S phase. [UniProt]
Research Area	Gene Regulation antibody
Calculated Mw	18 kDa
Cellular Localization	Nucleus.

Images



ARG54931 anti-GADD45 alpha antibody WB image

Western blot: 35 µg of Y79 cell lysate stained with ARG54931 anti-GADD45 alpha antibody.



ARG54931 anti-GADD45 alpha antibody FACS image

Flow Cytometry: K562 cells stained with ARG54931 anti-GADD45 alpha antibody (right histogram) or without primary antibody control (left histogram), followed by incubation with FITC labelled secondary antibody.