

DATASHEET

GADD153 Rabbit Monoclonal Antibody(C1792)

CAT. NO. AMA01404

KEY FEATURES

Target	GADD153	Source / Host	Rabbit
Reactivity	Human, Mouse	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Multifunctional transcription factor in endoplasmic reticulum (ER) stress response stress response . Plays an essential role in the response to a wide variety of cell stresses and induces cell cycle arrest and apoptosis in response to ER stress . Plays a dual role both as an inhibitor of CCAAT/enhancer-binding protein (C/EBP) function and as an activator of other genes . Acts as a dominant-negative regulator of C/EBP-induced transcription: dimerizes with members of the C/EBP family, impairs their association with C/EBP binding sites in the promoter regions, and inhibits the expression of C/EBP regulated genes . Positively regulates the transcription of TRIB3, IL6, IL8, IL23, TNFRSF10B/DR5, PPP1R15A/GADD34, BBC3/PUMA, BCL2L11/BIM and ERO1L .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

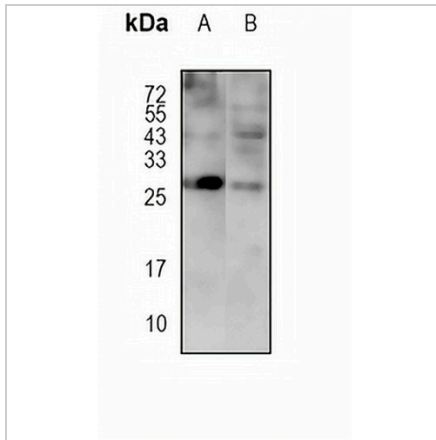
Description	Recombinant rabbit monoclonal antibody to GADD153
Specificity	Recognizes endogenous levels of GADD153 protein
Antibody Type	Primary antibody, Recombinant
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within human GADD153 protein. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 19 kD; Observed: 27 kD
Form/Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.
Alternative Names	CHOP; CHOP10; GADD153; DNA damage-inducible transcript 3 protein; DDIT-3; C/EBP zeta; C/EBP-homologous protein; CHOP; C/EBP-homologous protein 10; CHOP-10; CCAAT/enhancer-binding protein homologous protein; Growth arrest and DNA damage-inducible protein GADD153
Gene Symbol	DDIT3
Entrez Gene	1649(Human); 13198(Mouse)
SwissProt	P35638(Human); P35639(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of GADD153 expression in THP1 (A), mouse lung (B) whole cell lysates. (Predicted band size: 19 kD; Observed band size: 27 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.