

DATASHEET

GADD34 Rabbit Polyclonal Antibody

CAT. NO. APA12324

KEY FEATURES

Target	GADD34	Source / Host	Rabbit
Reactivity	Human	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Recruits the serine/threonine-protein phosphatase PPP1CA to prevents excessive phosphorylation of the translation initiation factor eIF-2A/eIF2S1, thereby reversing the shut-off of protein synthesis initiated by stress-inducible kinases and facilitating recovery of cells from stress . Down-regulates the TGF-beta signaling pathway by promoting dephosphorylation of TGFB1 by PP1 . May promote apoptosis by inducing p53/TP53 phosphorylation on 'Ser-15' . Plays an essential role in autophagy by tuning translation during starvation, thus enabling lysosomal biogenesis and a sustained autophagic flux . Also acts a viral restriction factor by attenuating HIV-1 replication . Mechanistically, mediates the inhibition of HIV-1 TAR RNA-mediated translation .

APPLICATION

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

WB	1:500 - 1:2000
----	----------------

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

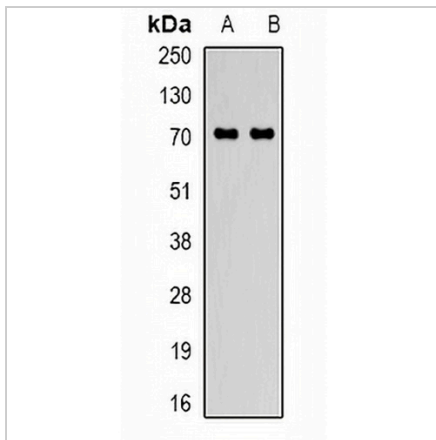
Description	Rabbit polyclonal antibody to GADD34
Specificity	Recognizes endogenous levels of GADD34 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GADD34. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 73 kD; Observed: 70 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	GADD34; Protein phosphatase 1 regulatory subunit 15A; Growth arrest and DNA damage-inducible protein GADD34; Myeloid differentiation primary response protein MyD116 homolog
Gene Symbol	PPP1R15A
Entrez Gene	23645(Human)
SwissProt	O75807(Human)

*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.

DATASHEET**GADD34 Rabbit Polyclonal Antibody**

CAT. NO. APA12324

DATA

Western blot analysis of GADD34 expression in SKOV3 (A), HEK293T (B) whole cell lysates. (Predicted band size: 73 kD; Observed band size: 70 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.