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Datasheet for ABIN2174282

anti-GADD34 antibody (AA 401-500) (Alexa Fluor 647)

1 Image

Overview

Quantity:	100 µL
Target:	GADD34 (PPP1R15A)
Binding Specificity:	AA 401-500
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GADD34 antibody is conjugated to Alexa Fluor 647
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GADD34
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	GADD34 (PPP1R15A)
Alternative Name:	GADD34 (PPP1R15A Products)
Background:	Synonyms: GADD34, Protein phosphatase 1 regulatory subunit 15A, Growth arrest and DNA

Target Details

damage-inducible protein GADD34, Myeloid differentiation primary response protein MyD116 homolog, PPP1R15A

Background: Recruits the serine/threonine-protein phosphatase PP1 to dephosphorylate 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 TP53 phosphorylation on 'Ser-15'.

Gene ID: 23645

UniProt: [O75807](#)

Pathways: [ER-Nucleus Signaling](#), [Unfolded Protein Response](#)

Application Details

Application Notes: FCM 1:20-100
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

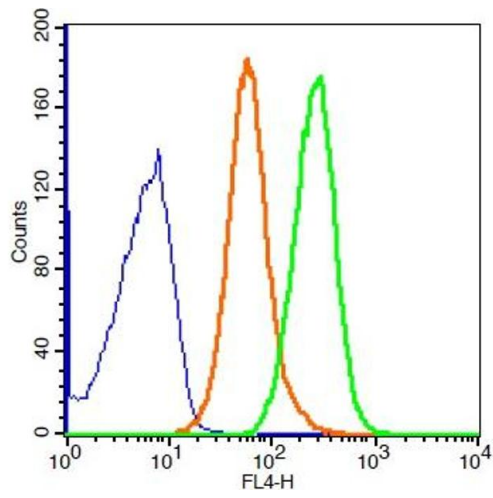
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months



Flow Cytometry

Image 1. 293T cells probed with GADD34 Polyclonal Antibody, ALEXA FLUOR® 647 Conjugated (bs-10287R-A647) at 1:100 for 30 minutes compared to control cells (blue) and isotype control (orange).