



[Go to Product page](#)

Datasheet for ABIN2174278

anti-GADD34 antibody (AA 401-500)

1 Image

2 Publications

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 un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

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)

Target Details

Background:	<p>Synonyms: GADD34, Protein phosphatase 1 regulatory subunit 15A, Growth arrest and DNA damage-inducible protein GADD34, Myeloid differentiation primary response protein MyD116 homolog, PPP1R15A</p> <p>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'.</p>
Gene ID:	23645
UniProt:	O75807
Pathways:	ER-Nucleus Signaling , Unfolded Protein Response

Application Details

Application Notes:	<p>WB 1:300-5000</p> <p>ELISA 1:500-1000</p> <p>FCM 1:20-100</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> <p>ICC 1:100-500</p>
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % 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:	4 °C,-20 °C

Handling

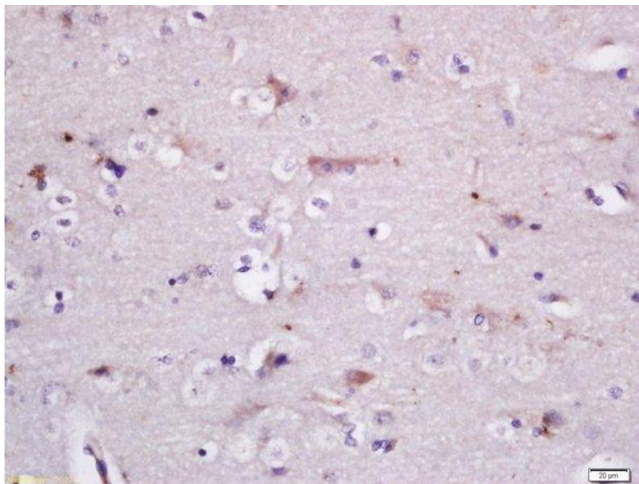
Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

Product cited in: Yu, Cui, Zong, Gao, Xu, Gao, Chen, Qin, Guan, Liu, Fu, Li, Wang: "The Orphan Nuclear Receptor NR4A1 Protects Pancreatic β -Cells from Endoplasmic Reticulum (ER) Stress-mediated Apoptosis." in: **The Journal of biological chemistry**, Vol. 290, Issue 34, pp. 20687-99, (2015) ([PubMed](#)).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti-GADD34 Polyclonal Antibody, Unconjugated (ABIN2174278) at 1:200 followed by conjugation to the secondary antibody and DAB staining