

## Product datasheet

# Anti-GADD34 antibody ab131402

★ ★ ★ ★ ★ 1 Abreviews 1 References

### Overview

<b>Product name</b>	Anti-GADD34 antibody
<b>Description</b>	Rabbit polyclonal to GADD34
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Cow, Human
<b>Immunogen</b>	Synthetic peptide, corresponding to a region within internal sequence amino acids 380-400 ( PATGVFLKSWVYQPGEDTEEE ) of Human GADD34, coupled to a carrier protein. <div style="text-align: right;"> <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a> </div>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Note: Contains stabilizing proteins, cryogenic stabilizer.
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab131402 was affinity purified on an immobilized antigen based affinity matrix.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab131402** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★ ★ ★ ★ ★	1/500. Predicted molecular weight: 73 kDa.

Application	Abreviews	Notes
ELISA		1/800 - 1/1000.

## Target

<b>Function</b>	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'.
<b>Sequence similarities</b>	Belongs to the PPP1R15 family.
<b>Post-translational modifications</b>	Phosphorylated on tyrosine by LYN; which impairs its antiproliferative activity.
<b>Cellular localization</b>	Endoplasmic reticulum.

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