

## Product datasheet

# Anti-GADD34 antibody ab125464

1 Image

### 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
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide corresponding to a region within the N terminal amino acids 116-165 (GMYGEREATS VPRGQGSQFA DGQRAPLSPS LLIRTLQGS D KNPGEKAE E) of the Human GADD34 protein (NP_055145). <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>
<b>Positive control</b>	Human fetal heart lysate.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Constituents: 97% PBS, 2% Sucrose
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab125464** 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		Use a concentration of 1 µg/ml. Predicted molecular weight: 73 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

## Target

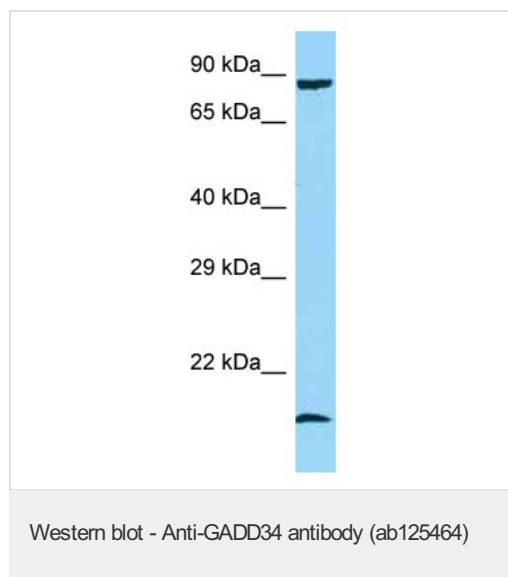
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<b>Function</b>	Recruits the serine/threonine-protein phosphatase PP1 to dephosphorylate the translation initiation factor eIF-2A/EIF2S1, thereby reversing the shut-off of protein synthesis initiated by stress-inducible kinases and facilitating recovery 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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## Images

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Anti-GADD34 antibody (ab125464) at 1 µg/ml  
+ Human fetal heart lysate at 10 µg

**Predicted band size:** 73 kDa

Gel concentration: 12%

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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