

Product datasheet

Anti-GADD34 antibody ab125464

1 Image

Overview

Product name	Anti-GADD34 antibody
Description	Rabbit polyclonal to GADD34
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	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). Run BLAST with ExPASy Run BLAST with NCBI
Positive control	Human fetal heart lysate.

Properties

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

Applications

Our [Abpromise guarantee](#) covers the use of **ab125464** in the following tested applications.

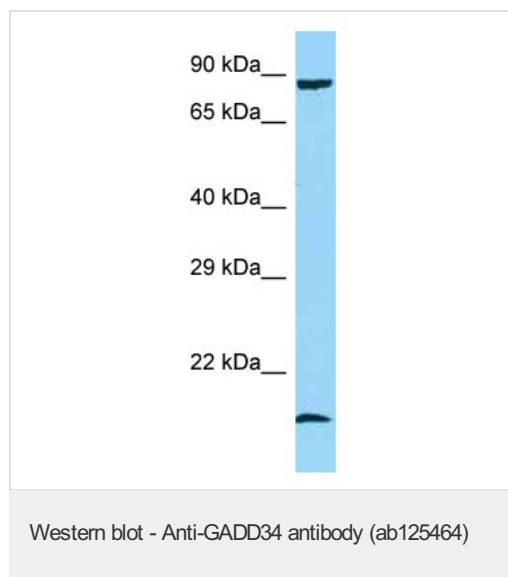
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

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

Images



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

Predicted band size: 73 kDa

Gel concentration: 12%

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