


Product datasheet

Anti-GAB1 (phospho Y627) antibody ab12863

[1 References](#) [1 Image](#)

Overview

Product name	Anti-GAB1 (phospho Y627) antibody
Description	Rabbit polyclonal to GAB1 (phospho Y627)
Host species	Rabbit
Specificity	Does not cross react with Gab1 at tyrosines 242, 437, 472 or 476.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse Predicted to work with: Human 
Immunogen	Synthetic peptide (Human).
Positive control	NIH3T3 cells +/- PDGF.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.40 Preservative: 0.05% Sodium azide Constituents: 50% Glycerol, 0.1% BSA
Purity	Dulbecco's PBS (without Mg ²⁺ and Ca ²⁺) Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab12863** in the following tested applications.

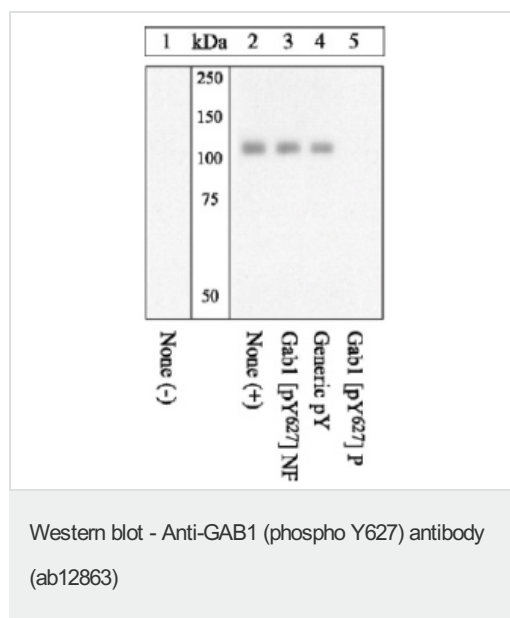
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 115 kDa.

Target

Function	Probably involved in EGF and insulin receptor signaling.
Sequence similarities	Belongs to the GAB family. Contains 1 PH domain.
Post-translational modifications	Phosphorylated on tyrosine residue(s) by the epidermal growth factor receptor (EGFR) and the insulin receptor (INSR). Tyrosine phosphorylation of GAB1 mediates interaction with several proteins that contain SH2 domains.

Images



Peptide Competition

Lysates prepared from NIH3T3 cells left untreated (1) or treated with PDGF (2-5). were resolved by SDS-PAGE on a 10% polyacrylamide gel and transferred to PVDF. Membranes were blocked with a 5% BSA-TBST buffer for one hour at room temperature and incubated with ab12863 antibody for two hours at room temperature in a 3% BSA-TBST buffer, following prior incubation with: no peptide (1, 2), the non-phosphopeptide corresponding to the immunogen (3), a generic phosphotyrosine containing peptide (4), the phosphopeptide immunogen (5). After washing, membranes were incubated with goat F(ab)2 anti-rabbit IgG HRP conjugate and bands were detected using the Pierce SuperSignal method. The data show that only the peptide corresponding to ab12863 blocks the signal, verifying the specificity of the antibody. Peptide Competition Lysates prepared from NIH3T3 cells left untreated (1) or treated with PDGF (2-5). were resolved by SDS-PAGE on a 10% polyacrylamide gel and

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