

Anti-GADD34 Rabbit pAb



WL05554

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-GADD34 Rabbit pAb
Source	Rabbit
Species reactivity	Human, Mouse, Rat
Tested applications	WB 1:1000-1:2000
Pack size	50/100/200/500/1000μl
Storage	Store at -20°C. Avoid freeze/thaw cycles.
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide

General Information

Background

GADD34, also named PPP1R15A, belongs to the PPP1R15 family. GADD34 can be triggered as a direct target of activating transcription factor4 (ATF4) under ER stress, it plays a pivotal role in the recovery of cells from shut-down of translation induced by ER stress. It recruits the serine/threonine-protein phosphatase (PP1) to dephosphorylate the translation initiation factor eIF2α, thereby reversing the shut-off of protein synthesis initiated by stress-inducible kinases and facilitating recovery of cells from stress. GADD34 down-regulates the TGF-β signaling pathway by promoting dephosphorylation of TGFβ1 via PP1.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of GADD34.

Purification

Polyclonal antibody was purified by protein A affinity chromatography.

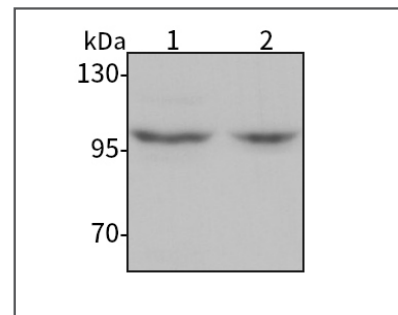
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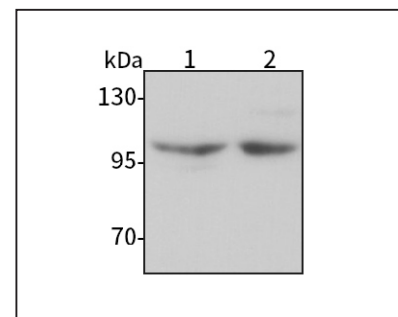
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Product Images



Western blot-Anti-GADD34 pAb

Lane 1: Human HeLa cell lysate
 Lane 2: Human A549 cell lysate
 All lanes: Anti-GADD34 at 1:1000 dilution
 Lysates/proteins at 20-50 μg per lane.
 Predicted band size: 73 kDa
 Observed band size: 100 kDa



Western blot-Anti-GADD34 pAb

Lane 1: Mouse colon tissue lysate
 Lane 2: Rat spleen tissue lysate
 All lanes: Anti-GADD34 at 1:1000 dilution
 Lysates/proteins at 20-50 μg per lane.
 Predicted band size: 73 kDa
 Observed band size: 100 kDa