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Datasheet for ABIN2174287

anti-GADD34 antibody (AA 401-500) (Cy7)

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | GADD34 (PPP1R15A) |
| Binding Specificity: | AA 401-500 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This GADD34 antibody is conjugated to Cy7 |
| Application: | Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

| | |
|-------------------|--|
| Immunogen: | KLH conjugated synthetic peptide derived from human GADD34 |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|---|
| Target: | GADD34 (PPP1R15A) |
| Alternative Name: | GADD34 (PPP1R15A Products) |
| Background: | Synonyms: GADD34, Protein phosphatase 1 regulatory subunit 15A, Growth arrest and DNA |

Target Details

damage-inducible protein GADD34, Myeloid differentiation primary response protein MyD116 homolog, PPP1R15A

Background: 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'.

Gene ID: 23645

UniProt: [O75807](#)

Pathways: [ER-Nucleus Signaling](#), [Unfolded Protein Response](#)

Application Details

Application Notes: FCM 1:20-100
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months