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Datasheet for ABIN685441  
**anti-GADD45A antibody (AA 65-165) (HRP)**

### Overview

Quantity:	100 µL
Target:	GADD45A
Binding Specificity:	AA 65-165
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GADD45A antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GADD45
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Cow,Pig,Chicken
Purification:	Purified by Protein A.

### Target Details

Target:	GADD45A
Alternative Name:	GADD45 ( <a href="#">GADD45A Products</a> )

## Target Details

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Background: Synonyms: DDIT1, GADD45, Growth arrest and DNA damage-inducible protein GADD45 alpha, DNA damage-inducible transcript 1 protein, DDIT-1, GADD45A  
Background: In T-cells, functions as a regulator of p38 MAPKs by inhibiting p38 phosphorylation and activity (By similarity). Might affect PCNA interaction with some CDK (cell division protein kinase) complexes, stimulates DNA excision repair in vitro and inhibits entry of cells into S phase.

Gene ID: 1647

UniProt: [P24522](#)

Pathways: [p53 Signaling](#), [Cell Division Cycle](#)

## Application Details

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Application Notes: WB 1:300-5000  
IHC-P 1:200-400  
IHC-F 1:100-500

Restrictions: For Research Use only

## Handling

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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.

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Storage: -20 °C

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

Expiry Date: 12 months