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**Product Name: GADD45A (6C3) Mouse Monoclonal Antibody****Catalog #: AMM03530**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB
<b>Reactivity</b>	Human, Mouse, Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000
<b>Molecular Weight</b>	Calculated MW: 18 kDa; Observed MW: 22 kDa

**Antigen Information**

<b>Gene Name</b>	GADD45A
<b>Alternative Names</b>	DDIT1; GADD45
<b>Gene ID</b>	1647
<b>SwissProt ID</b>	P24522
<b>Immunogen</b>	

**Background**

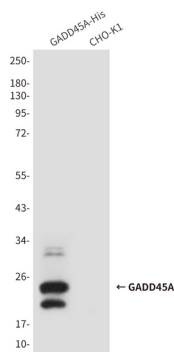
This gene is a member of a group of genes whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. The protein encoded by this gene responds to environmental stresses by

mediating activation of the p38/JNK pathway via MTK1/MEKK4 kinase. The DNA damage-induced transcription of this gene is mediated by both p53-dependent and -independent mechanisms. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Western blot analysis of GADD45 alpha in CHO-K1 lysates and CHO-K1 transfected by GADD45 alpha His fusion protein lysates using GADD45 alpha antibody.