

**DATASHEET**

**GADD45 alpha Rabbit Polyclonal Antibody**

CAT. NO. APA13451

**KEY FEATURES**

Target	GADD45 alpha	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

**BACKGROUND**

In T-cells, functions as a regulator of p38 MAPKs by inhibiting p88 phosphorylation and activity . 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.

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:50 - 1:200

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

Description	Rabbit polyclonal antibody to GADD45 alpha
Specificity	Recognizes endogenous levels of GADD45 alpha protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human GADD45 alpha
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 14; Observed: 18 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	DDIT1; GADD45; Growth arrest and DNA damage-inducible protein GADD45 alpha; DNA damage-inducible transcript 1 protein; DDIT-1
Gene Symbol	GADD45A
Entrez Gene	1647(Human); 13197(Mouse)
SwissProt	P24522(Human); P48316(Mouse); P48317(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

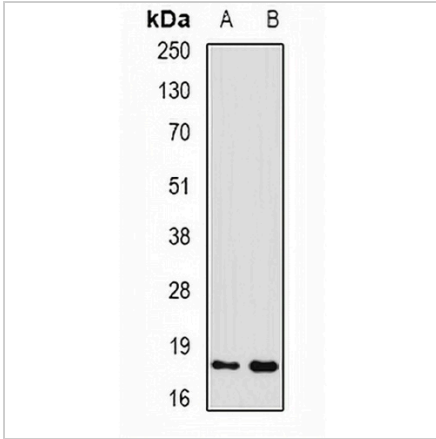
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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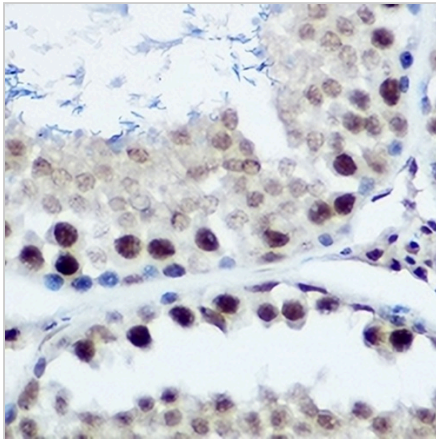
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**DATA**



Western blot analysis of GADD45 alpha expression in mouse liver (A), mouse kidney (B) whole cell lysates. (Predicted band size: 14; 18 kD; Observed band size: 18 kD)



Immunohistochemical analysis of GADD45 alpha staining in mouse testis formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.