

GADD45 α Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52842

Specification

GADD45 α Antibody - Product Information

Application	WB
Primary Accession	P24522
Reactivity	Transfected
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	22 KDa

GADD45 α Antibody - Additional Information

Gene ID 1647

Other Names

DDIT 1; DDIT-1; DDIT1; DNA damage inducible transcript 1; DNA damage-inducible transcript 1 protein; GA45A_HUMAN; GADD45; GADD45A; Growth arrest and DNA damage inducible 45 alpha; Growth arrest and DNA damage inducible alpha; Growth arrest and DNA damage-inducible protein GADD45 alpha.

Dilution

WB~~1:1000

Format

Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.09% (W/V) sodium azide and 50% glycerol.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

GADD45 α Antibody - Protein Information

Name GADD45A

Synonyms DDIT1, GADD45

Function

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

Cellular Location

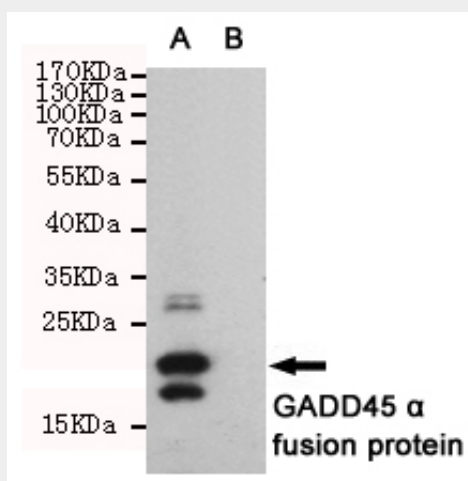
Nucleus.

GADD45 α Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GADD45 α Antibody - Images



Western blot detection of GADD45 α in CHO-K1 cell lysate [B] and CHO-K1 transfected by GADD45 α His fusion protein [A] cell lysate using GADD45 α mouse mAb (1:1000 diluted). Predicted band size: 22KDa. Observed band size: 22KDa.

GADD45 α Antibody - 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.

GADD45 α Antibody - References

Papathanasiou M.A., et al. Mol. Cell. Biol. 11:1009-1016(1991).
Hollander M.C., et al. J. Biol. Chem. 268:24385-24393(1993).
Zhang Y., et al. Nucleic Acids Res. 34:485-495(2006).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Gregory S.G., et al. Nature 441:315-321(2006).