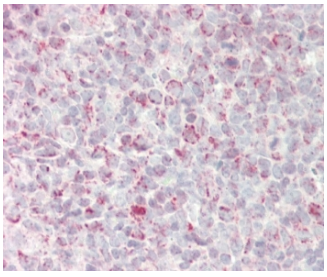
GADD45A Antibody (F54774)

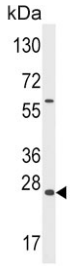
Catalog No.	Formulation	Size
F54774-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54774-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

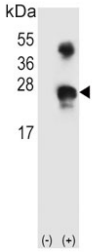
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P24522
Applications	Western Blot : 1:500-1:2000 Flow Cytometry : 1:25 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:25
Limitations	This GADD45A antibody is available for research use only.



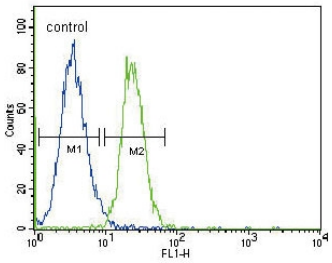
IHC testing of FFPE human tonsil tissue with GADD45A antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of Y79 cell lysate with GADD45A antibody. Expected molecular weight: 14-18 kDa (monomer) and 28-36 kDa (dimer).



Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with GADD45A antibody. Expected molecular weight: 14-18 kDa (monomer) and 28-36 kDa (dimer).



Flow cytometry testing of human K562 cells with GADD45A antibody; Blue=isotype control, Green= GADD45A antibody.

Description

GADD45A responds to environmental stresses by mediating activation of the p38/JNK pathway via MTK1/MEKK4 kinase. The GADD45A 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 DNA damage-induced transcription of this gene is mediated by both p53-dependent and -independent mechanisms.

Application Notes

The stated application concentrations are suggested starting points. Titration of the GADD45A antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1-30 from the human protein was used as the immunogen for the GADD45A antibody.

Storage

Aliquot the GADD45A antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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