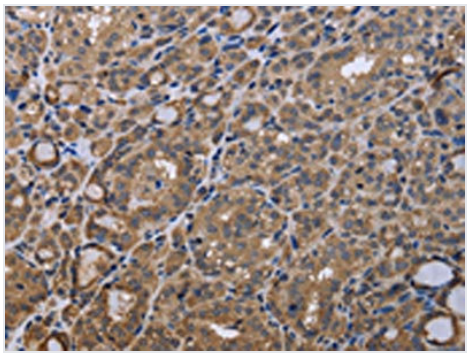
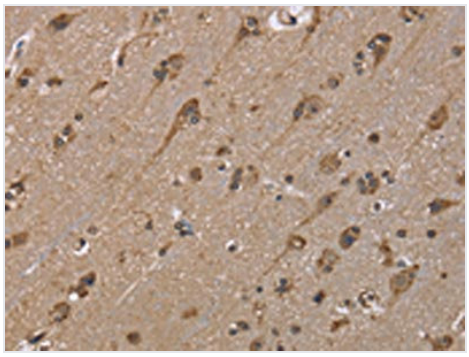
GADD45B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GADD45B, Polyclonal Antibody
Full Product Name	GADD45B Antibody
Product Gene Name	anti-GADD45B antibody
Product Synonym Names	growth arrest and DNA-damage-inducible; beta
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	17,818 Da
OMIM	604948
3D Structure	ModBase 3D Structure for O75293
Immunogen	Fusion protein of human GADD45B
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-GADD45B antibody	Cell Biology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GADD45B antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-GADD45B antibody	ELISA: 1:2000-1:5000 IHC: 1:50-1:200
Related Product Information for anti-GADD45B antibody	MBS7125662 is an antibody targeting GADD45B. Also known as GADD45B Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-GADD45B antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC)-Paraffin of anti-GADD45B antibody
The image is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using MBS7125662(GADD45B Antibody) at dilution 1/40. (Original magnification: ×200)



Immunohistochemistry (IHC)-Paraffin of anti-GADD45B antibody
The image is immunohistochemistry of paraffin-embedded Human brain tissue using MBS7125662(GADD45B Antibody) at dilution 1/40. (Original magnification: ×200)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GADD45B. It may not necessarily be applicable to this product.

NCBI GI #	86991436
NCBI GeneID	4616
NCBI Accession #	NP_056490.2
UniProt Primary Accession #	O75293
UniProt Secondary Accession #	O75960; Q17R46; A8KAM2
UniProt Related Accession #	O75293
GenBank Nucleotide #	NM_015675.3
NCBI Official Full Name	growth arrest and DNA damage-inducible protein GADD45 beta
NCBI Official Synonym Full Names	growth arrest and DNA-damage-inducible, beta
NCBI Official Symbol	GADD45B
NCBI Official Synonym Symbols	MYD118; GADD45BETA
UniProt Protein Name	Growth arrest and DNA damage-inducible protein GADD45 beta
UniProt Synonym Protein Names	Myeloid differentiation primary response protein MyD118; Negative growth regulatory protein MyD118
Protein Family	Growth arrest and DNA damage-inducible protein
UniProt Gene Name	GADD45B
UniProt Synonym Gene Names	MYD118
UniProt Entry Name	GA45B_HUMAN
NCBI Protein Information	growth arrest and DNA damage-inducible protein GADD45 beta; negative growth regulatory protein MyD118; myeloid differentiation primary response protein MyD118
NCBI Summary for GADD45B	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 genes in this group respond to environmental stresses by mediating activation of the p38/JNK pathway. This activation is mediated via their proteins binding and activating MTK1/MEKK4 kinase, which is an upstream activator of both p38 and JNK MAPKs. The function of these genes or their protein products is involved in the regulation of growth and apoptosis. These genes are regulated by different mechanisms, but they are often coordinately expressed and can function cooperatively in inhibiting cell growth. [provided by RefSeq, Jul 2008]

UniProt Comments for GADD45B	GADD45B: Involved in the regulation of growth and apoptosis. Mediates activation of stress-responsive MTK1/MEKK4 MAPKKK. Belongs to the GADD45 family. Protein type: Cell development/differentiation; Apoptosis Chromosomal Location of Human Ortholog: 19p13.3 Cellular Component: cytoplasm; nucleus Molecular Function: protein binding Biological Process: activation of MAPKK activity; apoptosis; positive regulation of apoptosis; regulation of cell cycle; multicellular organismal development; activation of MAPKKK activity; positive regulation of JNK cascade; negative regulation of protein kinase activity; response to stress; cell differentiation
Research Articles on GADD45B	**1.** Gadd45B protects the liver through two entirely different processes: binding MKK7 to block damaging signal transduction or binding CAR to coactivate anabolic transcription. (Review)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-antibody/gadd45b/7125662