

Rabbit anti-Human GADD45G Polyclonal Antibody | anti-GADD45G antibody

Anti-GADD45G Antibody, Rabbit Polyclonal

CATALOG # AAA255760	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
-------------------------------	-----------------------	----------------------------	--

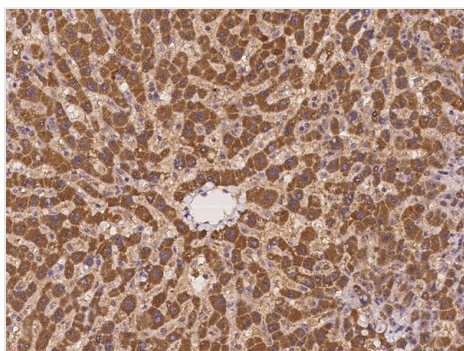
PRODUCT SYNONYMS

GADD45G; Polyclonal Antibody; Anti-GADD45G Antibody; Rabbit Polyclonal; GADD45G Antibody; Rabbit PAb; Antigen Affinity Purified; growth arrest and DNA-damage-inducible; gamma; Anti-CR6 Antibody; Anti-DDIT2 Antibody; Anti-GADD45gamma Antibody; Anti-GRP17 Antibody; anti-GADD45G antibody

PRODUCT SPECIFICATIONS

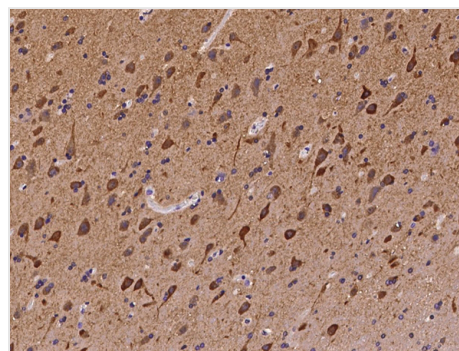
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human GADD45G
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-GADD45G antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human GADD45G Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human GADD45G (rh GADD45G). GADD45G specific IgG was purified by Human GADD45G affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human GADD45G in human liver with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human GADD45G in human brain with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-GADD45G antibody	GADD45G, also known as CR6, is part of the nuclear proteins to interact with various proteins whose transcript levels are raised after stressful growth arrest conditions and treatment with DNA-damaging agents. GADD45G reacts to environmental stresses by mediating activation of the p38/JNK pathway which is mediated through their protein binding and activating MTK1/MEKK4 kinase, which is an upstream activator of both p38 and JNK MAPKs. GADD45G acts as a new-age tumor suppressor however is being frequently inactivated epigenetically in multiple tumors. GADD45G mRNA expression is down-regulated in hepatocellular carcinoma. GADD45G causes cell cycle arrest at G2/M transition when transfected into Hep-G2 cells. GADD45G induction by androgens involves new protein synthesis. Overexpression of GADD45G inhibits cell growth and causes morphological modifications in prostate cell lines thus GADD45G takes part in differentiation induction by androgens.
Product Categories/Family for anti-GADD45G antibody	p53 Pathway
References	Takekawa M. et al., 1998, Cell. 95 (4): 521-30. Suzuki M. et al., 1999, J Hum Genet. 44 (5): 300-3. Azam N. et al., 2001, J Biol Chem. 276 (4): 2766-74.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729836
NCBI GeneID	10912
NCBI Accession #	NP_006696.1
NCBI GenBank Nucleotide #	NM_006705.3
UniProt Accession #	O95257 ; Q9C076
Molecular Weight	17,121 Da
NCBI Official Full Name	growth arrest and DNA damage-inducible protein GADD45 gamma
NCBI Official Synonym Full Names	growth arrest and DNA-damage-inducible, gamma
NCBI Official Symbol	GADD45G
NCBI Official Synonym Symbols	CR6; DDIT2; GRP17; GADD45gamma
NCBI Protein Information	growth arrest and DNA damage-inducible protein GADD45 gamma; DDIT-2; GADD45-gamma; gadd-related protein, 17 kD; cytokine-responsive protein CR6; DNA damage-inducible transcript 2 protein
UniProt Protein Name	Growth arrest and DNA damage-inducible protein GADD45 gamma
UniProt Gene Name	GADD45G
UniProt Synonym Gene Names	CR6; DDIT2; DDIT-2
UniProt Entry Name	GA45G_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/gadd45g-antibody-immunohistochemistry-elisa/255760>