

ARG66995 anti-CHOP / GADD153 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CHOP / GADD153
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CHOP / GADD153
Species	Human
Immunogen	Synthetic peptide around the middle region of human GADD153
Conjugation	Un-conjugated
Alternate Names	DNA damage-inducible transcript 3 protein; CHOP10; Growth arrest and DNA damage-inducible protein GADD153; GADD153; CCAAT/enhancer-binding protein homologous protein; C/EBP-homologous protein; CHOP; CHOP-10; C/EBP zeta; CEBPZ; DDIT-3; C/EBP-homologous protein 10

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:200 - 1:500
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat; MCF7	
Observed Size	30, 20 kDa	

Properties

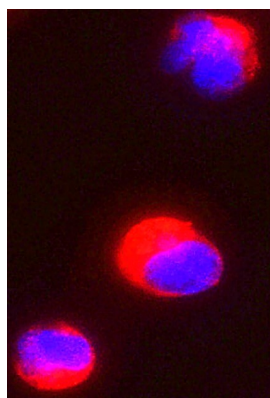
Form	Liquid
Purification	Affinity purified.
Buffer	100 mM Tris Glycine (pH 7.0), 0.025% ProClin 300 and 20% Glycerol.
Preservative	0.025% ProClin 300
Stabilizer	20% Glycerol

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

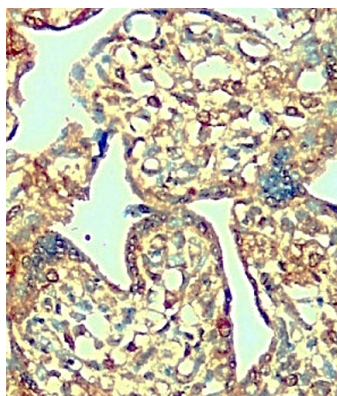
Background	GADD153 has been described as a growth arrest and DNA damage-inducible gene that encodes a C/EBP-related nuclear protein. Expression of GADD153 is induced by a variety of cellular stresses, including nutrient deprivation and metabolic perturbations. GADD153 functions to block cells in G1 to S phase in cell cycle progression and acts by dimerizing with other C/EBP proteins to direct GADD153 dimers away from "classical" C/EBP binding sites. Thus GADD153 acts as a negative modulator of C/EBP-like proteins in certain terminally differentiated cells.
Research Area	Developmental Biology antibody; Gene Regulation antibody; Metabolism antibody
Calculated Mw	19 kDa
PTM	Ubiquitinated, leading to its degradation by the proteasome. Phosphorylation at serine residues by MAPK14 enhances its transcriptional activation activity while phosphorylation at serine residues by CK2 inhibits its transcriptional activation activity.

Images



ARG66995 anti-CHOP / GADD153 antibody ICC/IF image

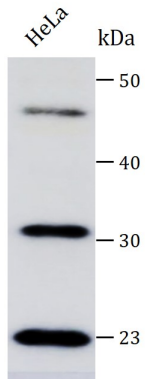
Immunofluorescence: Jurkat cells were fixed with 4% paraformaldehyde at RT for 10 min, permeabilized with 0.1% NP-40 at RT for 10 min and then cells were blocked with 5% BSA at RT for 30 min and stained with ARG66995 anti-CHOP / GADD153 antibody (red) at 1:200 dilution at 4°C for overnight. DAPI (blue) was used for nuclear staining.



ARG66995 anti-CHOP / GADD153 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung tissue stained with ARG66995 anti-CHOP / GADD153 antibody at 1:200 dilution. Antigen Retrieval: Boil tissue section in Citrate buffer (pH 6.0).

ARG66995 anti-CHOP / GADD153 antibody WB image



Western blot: 50 µg of HeLa cell stained with ARG66995 anti-CHOP / GADD153 antibody at 1:500 dilution, overnight at 4°C.