

ARG20118 anti-CHOP / GADD153 antibody

Package: 25 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CHOP / GADD153
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, IP, WB
Specificity	The antibody recognizes 25 kDa GADD153 of human, mouse, and rat origins.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CHOP / GADD153
Species	Human
Immunogen	Synthetic peptide surrounding amino acid 124 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
	IHC-P	10-20 µg/ml
	IP	10-20 µg/ml
	WB	0.5-4 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Affinity Purified Antibody
Buffer	PBS, 30% Glycerol, 0.5% BSA and 0.01% Thimerosal
Preservative	0.01% Thimerosal
Stabilizer	30% Glycerol, 0.5% BSA
Concentration	0.2 mg/ml
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

Database links	GeneID: 13198 Mouse GeneID: 1649 Human Swiss-port # P35638 Human Swiss-port # P35639 Mouse
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.