

AP00161PU-N**Polyclonal Antibody to GADD153 / CHOP - Purified**

Alternate names:	C/EBP-homologous protein, C/EBP-homologous protein 10, CHOP-10, CHOP10, DDIT-3, DDIT3, DNA damage-inducible transcript 3, Growth arrest and DNA-damage-inducible protein GADD153
Quantity:	0.1 mg
Concentration:	0.2 mg/ml
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.
Uniprot ID:	P35638
NCBI:	NP_001181986.1
GeneID:	1649
Host:	Rabbit
Immunogen:	Synthetic peptide surrounding amino acid 124 of human GADD153
Format:	State: Liquid Ig fraction Purification: Protein A affinity chromatography Buffer System: PBS containing 30 % glycerol, 0.5 % BSA, and 0.01 % thimerosal
Applications:	Western blot (0.5-4 µg/ml). Immunoprecipitation (10-20 µg/ml). Immunohistochemistry on paraffin sections (10-20 µg/ml). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody recognizes 25 kDa GADD135. Species: Human, mouse, rat. Other species not tested.
Add. Information:	Blocking peptide (AP00161CP-N) is also available separately.
Storage:	Store at -20°C for up to one year from despatch. For longer storage, freeze at -70 °C. Avoid repeated freeze/thaw cycles.
Product Citations:	Purchased from Acris: 1. Tao J, Zhu W, Li Y, Xin P, Li J, Liu M, et al. Apelin-13 protects the heart against ischemia-reperfusion injury through inhibition of ER-dependent apoptotic pathways in a time-dependent fashion. <i>Am J Physiol Heart Circ Physiol.</i> 2011 Oct;301(4):H1471-86. doi: 10.1152/ajpheart.00097.2011. Epub 2011 Jul 29. PubMed PMID: 21803944.