

Product datasheet for AP00161PU-N

DDIT3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, IP, WB
Recommended Dilution:	Western blot (0.5-4 µg/ml). Immunoprecipitation (10-20 µg/ml). Immunohistochemistry on paraffin sections (10-20 µg/ml).
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide surrounding amino acid 124 of human GADD153
Specificity:	The antibody recognizes 25 kDa GADD153.
Formulation:	PBS containing 30 % glycerol, 0.5 % BSA, and 0.01 % thimerosal State: Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store at -20°C for up to one year from despatch. For longer storage, freeze at -70 °C. Avoid repeated freeze/defrost cycles.
Gene Name:	DNA damage inducible transcript 3
Database Link:	Entrez Gene 1649 Human P35638
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.

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Synonyms: DDIT3, DDIT-3, CHOP10, CHOP-10

Note: Blocking peptide (AP00161CP-N) is also available separately.