

## Product datasheet for **AP18028PU-N**

### **GADD45A (C-term) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/50 - 1/100.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide selected from the C-terminal region of human GADD45A
Specificity:	This antibody reacts to GADD45A.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Liquid purified Ig
Concentration:	lot specific
Purification:	Saturated Ammonium Sulfate (SAS) precipitation
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	Homo sapiens growth arrest and DNA damage inducible alpha (GADD45A), transcript variant 1
Database Link:	<a href="#">Entrez Gene 1647 Human P24522</a>
Background:	GADD45A responds to environmental stresses by mediating activation of the p38/JNK pathway via MTK1/MEKK4 kinase. The GADD45A gene is a member of a group of genes whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. The DNA damage-induced transcription of this gene is mediated by both p53-dependent and -independent mechanisms.
Synonyms:	GADD45, DDIT1, DDIT-1
Protein Families:	Druggable Genome, Stem cell - Pluripotency



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**Protein Pathways:** Cell cycle, MAPK signaling pathway, p53 signaling pathway

**Product images:**



Western blot analysis of GADD45A Antibody (C-term) in Y79 cell line lysates (35ug/lane). GADD45A (arrow) was detected using the purified Pab.