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Product datasheet for AP06513PU-M

DDIT3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	**Western blot:** 1/500-1/1000. **Immunofluorescence**: 1/50-1/200. **Immunohistochemistry on paraffin sections**: 1/50-1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids N-terminus of Human CHOP.
Specificity:	This antibody detects endogenous levels of CHOP protein. (region surrouding Gln26)
Formulation:	Phosphate buffered saline (PBS), pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE). Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store 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.
Predicted Protein Size:	~ 19, 27 kDa
Gene Name:	DNA damage inducible transcript 3
Database Link:	Entrez Gene 13198 MouseEntrez Gene 1649 Human P35638

View online »

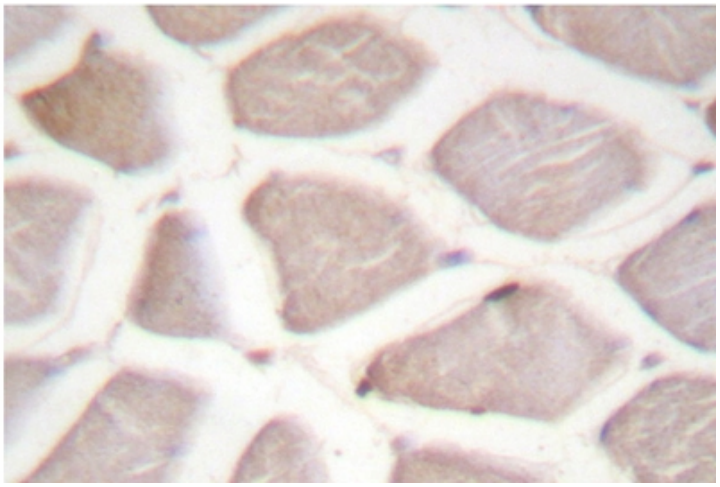
Background: GADD153 is a small nuclear protein that is capable of dimerizing with transcription factors C/EBP alpha and beta. Once dimerized, this complex inhibits the normal binding and function of C/EBP to classical binding sites. Inversely, the C/EBP GADD153 dimer gains binding activity to other non classical C/EBP stress related targets. Under normal cellular conditions this protein is not expressed in detectable levels, but is highly unregulated during times of cellular/ER stress. Examples of GADD153 inducing stress include: treatment with tunicamycin, nutrient starvation and reducing agents that interfere with the calcium flux across the ER membrane.

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

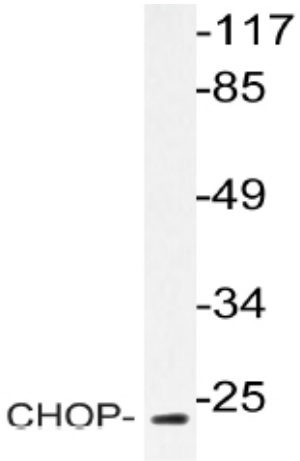
Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: MAPK signaling pathway

Product images:



Immunohistochemistry (IHC) analyzes of CHOP antibody in paraffin-embedded human skeletal muscle tissue.



Western blot (WB) analysis of CHOP antibody in extracts from Jurkat cells.