

CHOP Polyclonal Antibody

Catalog NumberPA1-24697

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Western Blot (WB)	1:200-1:400
Type	Antibody	Immunocytochemistry (ICC/IF)	5-10 µg/mL
Immunogen	Synthetic peptide, conjugated to KLH, corresponding to residues K-E (153) A T R R A L I D R M V N L H Q A(169) of human DDIT3, with an N-terminal added	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1.3 mg/mL		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: HeLa. Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

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.

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