CHOP (D46F1) Rabbit mAb



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Applications: W, W-S, IP	Reactivity: M	Sensitivity: Endogenous	MW (kDa): 27	Source/Isotype: Rabbit IgG	UniProt ID: #P35638	Entrez-Gene Id: 1649
Product Usage Information		Application Western Blotting Simple Western™ Immunoprecipitation			Dilution 1:1000 1:10 - 1:50 1:50	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		CHOP (D46F1) Rabbit mAb detects endogenous levels of total CHOP protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu159 of human CHOP protein.				
Background		negative manner (1). (the induced CHOP sup during ER stress, the I cell death (3). Studies during ER stress. GAD protein synthesis. Ero	CHOP expression is presses cell cycle pevel of CHOP expre also found that CHU D34 in turn dephos 1-La promotes oxid mmed cell death o	ous protein that inhibits induced by certain cellu progression from G1 to S ssion is elevated and CHDP mediates the activati phorylates phospho-Sei ative stress inside the elf ER-stressed cells is corteR (4).	llar stresses includir 5 phase (2). Later it v HOP functions to me on of GADD34 and r51 of eIF2a thereby ndoplasmic reticulu	ng starvation and was shown that, diate programmed Ero1-Lα expression y stimulating m (ER) (4). The role
Background References		1. Ron, D. and Habener, J.F. (1992) <i>Genes Dev</i> 6, 439-53. 2. Barone, M.V. et al. (1994) <i>Genes Dev</i> 8, 453-64. 3. Zinszner, H. et al. (1998) <i>Genes Dev</i> 12, 982-95. 4. Marciniak, S.J. et al. (2004) <i>Genes Dev</i> 18, 3066-77.				
Species Reactiv	vity	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4° C with gentle shaking, overnight.				
Applications Key		W: Western Blotting W-S: Simple Western™ IP: Immunoprecipitation				
Cross-Reactivity Key		M: Mouse				
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