For Research Use Only

CHOP/GADD153 Polyclonal antibody

Catalog Number:15204-1-AP

Featured Product 647 Publications



Basic Information	Catalog Number: 15204-1-AP Size: 150ul , Concentration: 700 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG7354	GenBank Accession N BC003637 GeneID (NCBI): 1649 UNIPROT ID: P35638 Full Name: DNA-damage-induci Calculated MW: 19 kDa Observed MW: 30 kDa	lumber: ble transcript 3	Purification Method: Antigen affinity purification Recommended Dilutions: WB: 1:500-1:3000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC: 1:50-1:500 IF/ICC: 1:50-1:500 FC (Intra): 0.40 ug per 10^6 cells in a 100 µl suspension
Applications	Tested Applications: WB, IHC, IF/ICC, FC (Intra), IP, ELISA Cited Applications: WB, IHC, IF, IP, CoIP, ChIP Species Specificity: human, mouse, rat Cited Species: human, mouse, rat, pig, rabbit, canin- zebrafish, bovine, hamster Note-IHC: suggested antigen of TE buffer pH 9.0; (*) Alternation retrieval may be performed we buffer pH 6.0	Positive Controls: WB : Tunicamycin treat cells, K-562 cells, RAW IP : C6 cells, IHC : human colon canc tissue, human thyroid c cancer tissue, mouse br IF/ICC : Tunicamycin tr retrieval with rely, antigen ith citrate		trols: nycin treated HeLa cells, MCF-7 cells, HeLa ells, RAW 264.7 cells colon cancer tissue, human breast cancer n thyroid cancer tissue, human cervical , mouse brain tissue camycin treated HeLa cells, unicamycin treated HeLa cells,
Background Information	CHOP, also known as GADD153 or DDIT3, is a highly conserved gene in both the structural and regulatory regions. Imposed by unfolded and misfolded proteins, CHOP is significantly induced by ER stress. CHOP is considered a proapoptotic marker of ER stress dependent cell death. CHOP acts as a dominant-negative inhibitor of the transcription factor C/EBP and LAP. It may play an important role in the malignant transformation of nevus to melanoma. The calculated molecular weight of CHOP is 19 kDa, but the protein migrates on an SDS-PAGE gel with an observed molecular mass of 29 kDa (PMID: 1547942).			
Notable Publications	Author Pul	bmed ID lourn	lournal	
	Junxia Hu 31	580970 Biom	ed Pharmacothe	er WB.IF
	Nitchakarn Kaokhum 36	182100 Mol C	ell Proteomics	WB.IF
	Larissa G de Vicente 34	592238 Life S	ci	WB
Storage	Storage: Store at -20°C. Stable for one year af Storage Buffer: PBS with 0.02% sodium azide and 50 Aliquoting is uppecessary for -20°C	ter shipment. D% glycerol, pH7.3		
*** 20ul sizes contain 0.1% BSA		<b>~</b> <del>/</del> <b>~</b>		
For technical support and original validation da	ta for this product please contact:		This product is (	exclusively available under Proteintech

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## Selected Validation Data



WB result of CHOP antibody (15204-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CHOP transfected HeLa cells.



Tunicamycin treated HeLa cells were subjected to SDS PAGE followed by western blot with 15204-1-AP (CHOP; GADD153 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 15204-1-AP (CHOP; GADD153 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 15204-1-AP (CHOP; GADD153 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 15204-1-AP (CHOP; GADD153 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human cervical cancer tissue slide using 15204-1-AP (CHOP; GADD153 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed Tunicamycin treated HeLa cells using CHOP; GADD153 antibody (15204-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



1X10^6 HeLa cells untreated (dashed lines) or treated with Tunicamycin (20  $\mu$ g/mL, 4 h; red) were intracellularly stained with 0.4 ug Anti-Human CHOP; GADD153 (15204-1-AP) and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000, or 0.4 ug Control Antibody (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



IP result of anti-CHOP; GADD153 (IP:15204-1-AP, 4ug; Detection:15204-1-AP 1:4000) with C6 cells lysate 1600 ug.





Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 15204-1-AP (CHOP; GADD153 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 15204-1-AP (CHOP; GADD153 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).