

For Research Use Only

CHOP; GADD153 Recombinant antibody, PBS Only



Catalog Number: 81462-1-PBS

Basic Information

Catalog Number: 81462-1-PBS	GenBank Accession Number: BC003637	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 1649	CloneNo.: 1G11
Source: Rabbit	UNIPROT ID: P35638	
Isotype: IgG	Full Name: DNA-damage-inducible transcript 3	
Immunogen Catalog Number: AG7354	Calculated MW: 19 kDa	
	Observed MW: 30 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human

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).

Storage

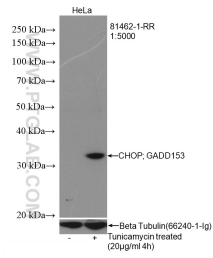
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

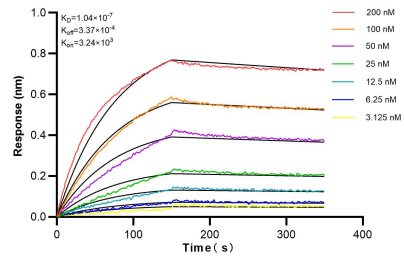
For technical support and original validation data for this product please contact:
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Selected Validation Data



Untreated and tunicamycin treated HeLa cells were subjected to SDS PAGE followed by western blot with 81462-1-RR (CHOP; GADD153 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81462-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 81462-1-RR against Human CHOP/GADD153 were performed. The affinity constant is 104 nM.