

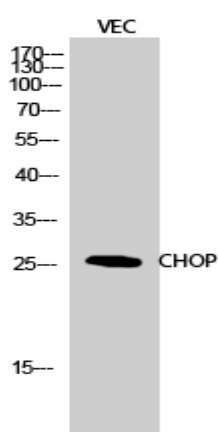
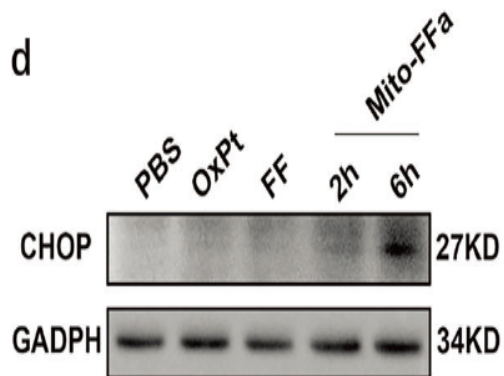
CHOP Polyclonal Antibody

Catalog No :	YT0912
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	CHOP
Fields :	>>MAPK signaling pathway;>>Protein processing in endoplasmic reticulum;>>Apoptosis;>>Non-alcoholic fatty liver disease;>>Alzheimer disease;>>Parkinson disease;>>Amyotrophic lateral sclerosis;>>Prion disease;>>Pathways of neurodegeneration - multiple diseases;>>Transcriptional misregulation in cancer;>>Lipid and atherosclerosis
Gene Name :	DDIT3
Protein Name :	DNA damage-inducible transcript 3 protein
Human Gene Id :	1649
Human Swiss Prot No :	P35638
Mouse Gene Id :	13198
Mouse Swiss Prot No :	P35639
Immunogen :	The antiserum was produced against synthesized peptide derived from human CHOP. AA range:15-64
Specificity :	CHOP Polyclonal Antibody detects endogenous levels of CHOP protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.

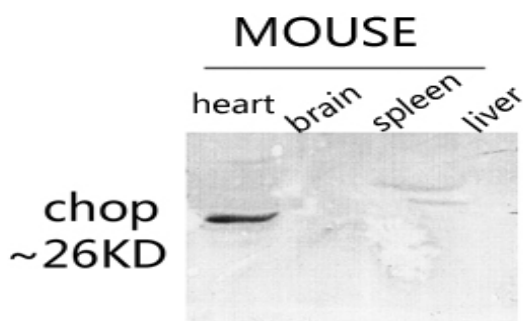
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	19kD
Cell Pathway :	MAPK_ERK_Growth;MAPK_G_Protein;
Background :	This gene encodes a member of the CCAAT/enhancer-binding protein (C/EBP) family of transcription factors. The protein functions as a dominant-negative inhibitor by forming heterodimers with other C/EBP members, such as C/EBP and LAP (liver activator protein), and preventing their DNA binding activity. The protein is implicated in adipogenesis and erythropoiesis, is activated by endoplasmic reticulum stress, and promotes apoptosis. Fusion of this gene and FUS on chromosome 16 or EWSR1 on chromosome 22 induced by translocation generates chimeric proteins in myxoid liposarcomas or Ewing sarcoma. Multiple alternatively spliced transcript variants encoding two isoforms with different length have been identified. [provided by RefSeq, Aug 2010],
Function :	disease:A chromosomal aberration involving DDIT3 is found in a form of malignant myxoid liposarcoma [MIM:126337]. Translocation t(12;16)(q13;p11) with FUS.,function:Inhibits the DNA-binding activity of C/EBP and LAP by forming heterodimers that cannot bind DNA.,similarity:Belongs to the bZIP family.,similarity:Contains 1 bZIP domain.,subunit:Heterodimer.,
Subcellular Location :	Cytoplasm . Nucleus . Present in the cytoplasm under non-stressed conditions and ER stress leads to its nuclear accumulation. .
Expression :	Muscle,Skeletal muscle,

Products Images

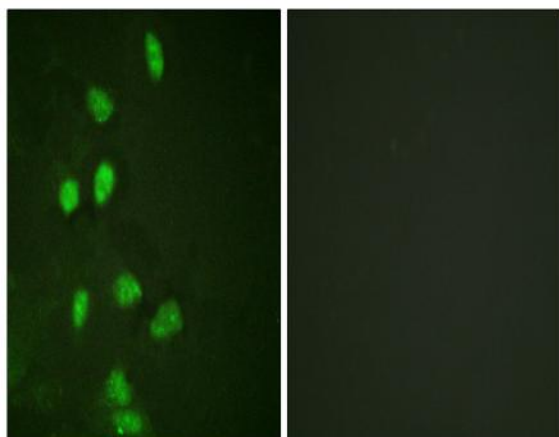
In Situ Vaccination with Mitochondria-Targeting Immunogenic Death Inducer Elicits CD8+ T Cell-Dependent Antitumor Immunity to Boost Tumor Immunotherapy. Ahu Yuan WB Mouse 4T1 cell



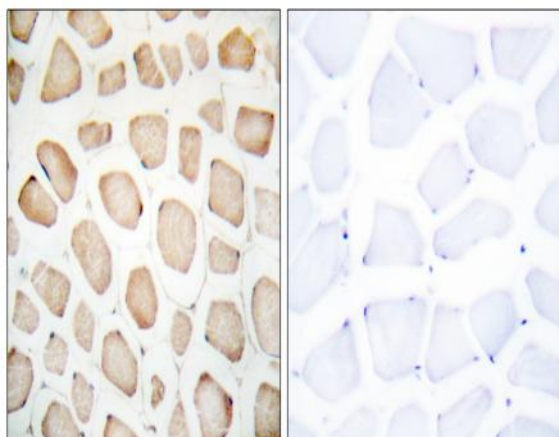
Western Blot analysis of VEC cells using CHOP Polyclonal Antibody diluted at 1:500



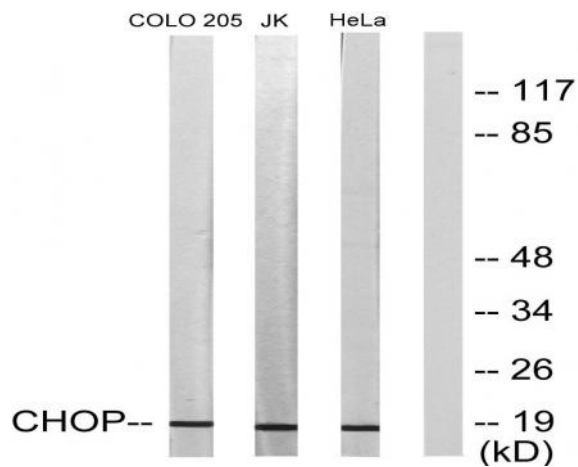
Western blot analysis of various lysis using CHOP Polyclonal Antibody diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunofluorescence analysis of HeLa cells, using CHOP Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human skeletal muscle tissue, using CHOP Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HeLa, Jurkat, and COLO205 cells, using CHOP Antibody. The lane on the right is blocked with the synthesized peptide.