

CHOP (PT0105R) PT® Rabbit mAb

Catalog No :	YM8061
Reactivity :	Human; Mouse; Rat;
Applications :	WB;IHC;IF;IP;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 :	DDIT3
Human Gene Id :	1649
Human Swiss Prot No :	P35638
Mouse Swiss Prot No :	P35639
Rat Swiss Prot No :	Q62857
Specificity :	endogenous
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal, rabbit, IgG, Kappa
Dilution :	IHC 1:1000-1:4000;WB 1:1000-1:5000;IF 1:200-1:1000;ELISA 1:5000-1:20000;IP 1:50-1:200;
Purification :	Protein A
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 19kD

Observed Band : 30kD

Cell Pathway : MAPK_ERK_Growth;MAPK_G_Protein;

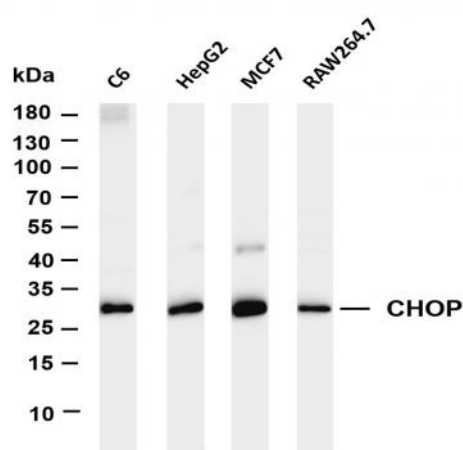
Background : This gene encodes a member of the CCAAT/enhancer-binding protein (C/EBP) family of transcription factors. The protein functions as a dominant-negative inhibitor by forming heterodimers with other C/EBP members, such as C/EBP and LAP (liver activator protein), and preventing their DNA binding 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.,

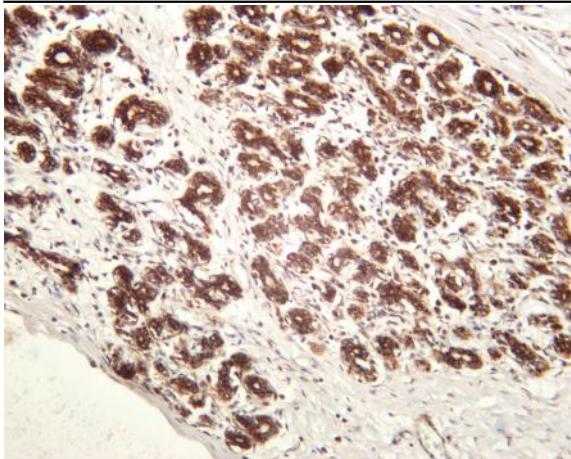
Subcellular Location : Cytoplasm, Nucleus

Expression : Muscle,Skeletal muscle,

Products Images



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CHOP (PT0105R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: C6 Lane 2: HepG2 Lane 3: MCF7 Predicted band size: 19kDa Observed band size: 30kDa



Human breast carcinoma was stained with anti-CHOP (PT0105R) rabbit antibody