

Datasheet for ABIN7214198
anti-DDIT3 antibody (AA 60-140)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	DDIT3
Binding Specificity:	AA 60-140
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDIT3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	CHOP Polyclonal Antibody
Immunogen:	Synthesized peptide derived from the Internal region of human CHOP at AA range: 60-140
Isotype:	IgG
Specificity:	CHOP Polyclonal Antibody detects endogenous levels of CHOP protein.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

Target Details

Target:	DDIT3
---------	-------

Target Details

Alternative Name: [CHOP \(DDIT3 Products\)](#)

Background: Rabbit Anti-CHOP Polyclonal Antibody, DDIT3, CHOP, CHOP10, GADD153, DNA damage-inducible transcript 3 protein, DDIT-3, C/EBP-homologous protein, CHOP, C/EBP-homologous protein 10, CHOP-10, Growth arrest and DNA damage-inducible protein GADD153, DDIT3 encodes a member of the CCAAT/enhancer-binding protein (C/EBP) family of transcription factors. DNA damage inducible transcript 3 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. DNA damage-inducible transcript 3 protein

Molecular Weight: observed band 26kDa

Gene ID: 1649

UniProt: [P35638](#)

Pathways: [Regulation of Muscle Cell Differentiation](#), [ER-Nucleus Signaling](#), [Skeletal Muscle Fiber Development](#), [Cell Redox Homeostasis](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IHC-P (1:100-1:300), IF (1:200-1:1000), ELISA (1:5000). Not yet tested in other applications.

Comment: Primary Antibody

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide.

Preservative: Sodium azide

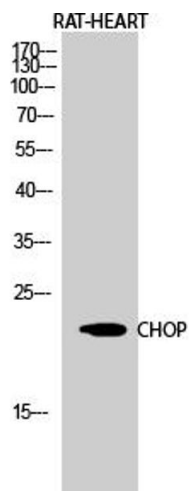
Handling

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

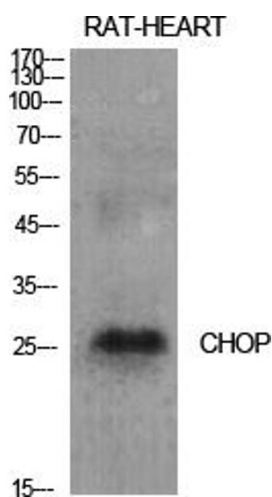
Storage Comment: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western Blot analysis of RAT-HEART cells using CHOP Polyclonal Antibody diluted at 1:1000.



Western Blotting

Image 2. Western Blot analysis of various cells using CHOP Polyclonal Antibody diluted at 1:1000.