

# DDIT3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant DDIT3.  
Catalog # AT1731a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P35638</a>
<b>Other Accession</b>	<a href="#">BC003637</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG1 Kappa
<b>Clone Names</b>	2G3
<b>Calculated MW</b>	19175

## Additional Information

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<b>Gene ID</b>	1649
<b>Other Names</b>	DNA damage-inducible transcript 3 protein, DDIT-3, C/EBP zeta, C/EBP-homologous protein, CHOP, C/EBP-homologous protein 10, CHOP-10, CCAAT/enhancer-binding protein homologous protein, Growth arrest and DNA damage-inducible protein GADD153, DDIT3, CHOP, CHOP10, GADD153
<b>Target/Specificity</b>	DDIT3 (AAH03637, 1 a.a. ~ 90 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	DDIT3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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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.

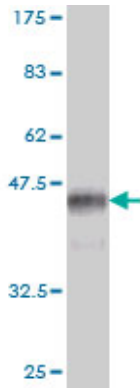
## References

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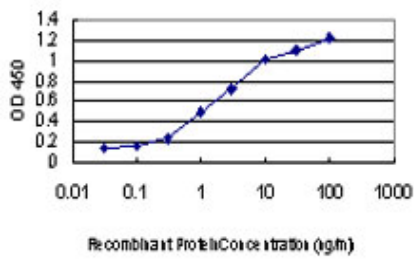
1. Loss of UDP-N-acetylglucosamine 2-epimerase/ N-acetylmannosamine kinase (GNE) induces apoptotic processes in pancreatic carcinoma cells. Kemmner W, Kessel P, Sanchez-Ruderisch H, Moller H, Hinderlich S, Schlag PM, Detjen K. FASEB J. 2011 Nov 2.

## Images

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Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.53 KDa) .



Detection limit for recombinant GST tagged DDIT3 is approximately 0.03ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.