

## Product datasheet for **TA802218**

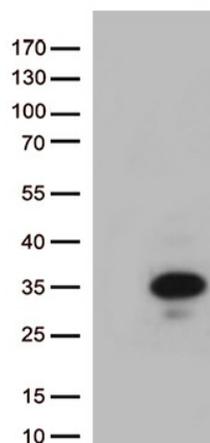
### **DDIT3 Mouse Monoclonal Antibody [Clone ID: OTI2D3]**

#### **Product data:**

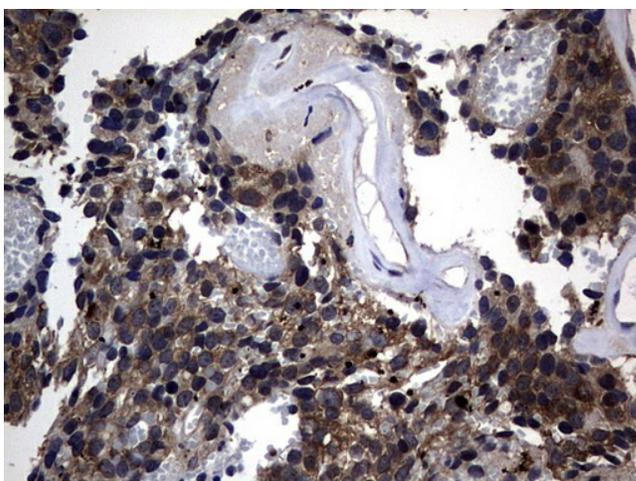
<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI2D3
<b>Applications:</b>	IHC, WB
<b>Recommend Dilution:</b>	WB 1:500, IHC 1:150
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG2a
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human DDIT3 (NP_004074) produced in E.coli.
<b>Formulation:</b>	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	1 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Gene Name:</b>	DNA damage inducible transcript 3
<b>Database Link:</b>	<a href="#">NP_004074 Entrez Gene 1649 Human</a>
<b>Background:</b>	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]
<b>Synonyms:</b>	CEBPZ; CHOP; CHOP-10; CHOP10; GADD153
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Protein Pathways:</b>	MAPK signaling pathway



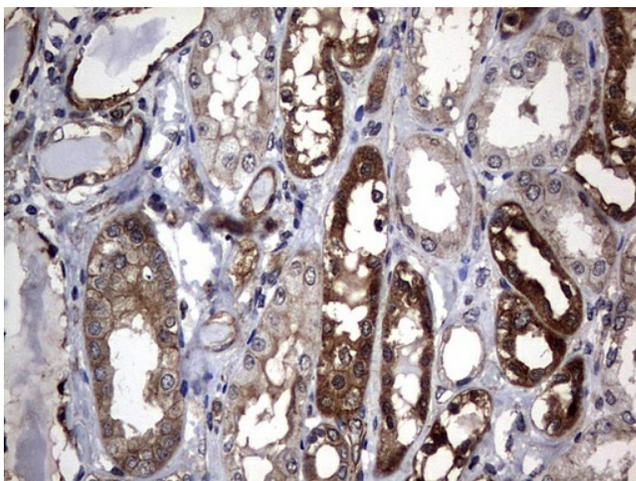
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**Product images:**

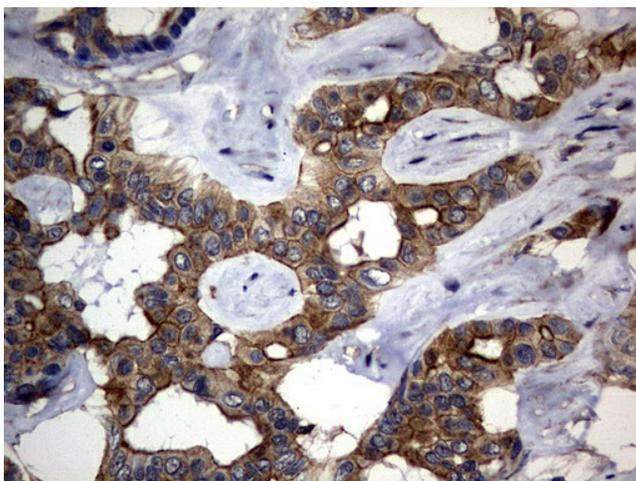
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY DDIT3 ([RC231040], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DDIT3 (1:500).



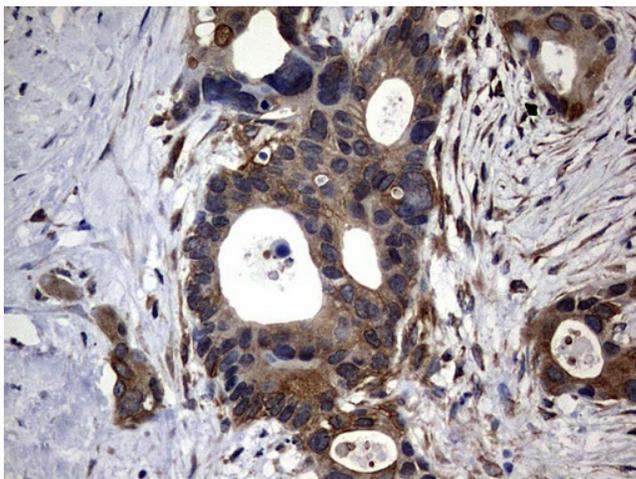
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-DDIT3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA802218)



Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-DDIT3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA802218)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-DDIT3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA802218)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-DDIT3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA802218)