



## Rabbit Anti-DDIT4 antibody

SL4240R

<b>Product Name:</b>	DDIT4
<b>Chinese Name:</b>	DNA损伤诱导转录蛋白4抗体
<b>Alias:</b>	DDIT4; DDIT4_HUMAN; Dig2; DKFZp564O2071; DNA damage inducible transcript 4; DNA damage inducible transcript 4 protein; DNA damage-inducible transcript 4 protein; FLJ20500; HIF 1 responsive protein RTP801; HIF 1 responsive RTP801; HIF-1 responsive protein RTP801; Protein regulated in development and DNA damage response 1; REDD 1; REDD-1; REDD1; RP11 442H21.1; RTP801.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	25kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human DDIT4:165-232/232
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Inhibits cell growth by regulating the TOR signaling pathway upstream of the TSC1-TSC2 complex and downstream of AKT1. Promotes neuronal cell death.

**Function:**

Inhibits cell growth by regulating the TOR signaling pathway upstream of the TSC1-TSC2 complex and downstream of AKT1. Promotes neuronal cell death.

**Subcellular Location:**

Cytoplasm.

**Tissue Specificity:**

Broadly expressed, with lowest levels in brain, skeletal muscle and intestine. Up-regulated in substantia nigra neurons from Parkinson disease patients (at protein level).

**Similarity:**

Belongs to the DDIT4 family.

**SWISS:**

Q9NX09

**Gene ID:**

54541

**Database links:**

[Entrez Gene: 54541](#) Human

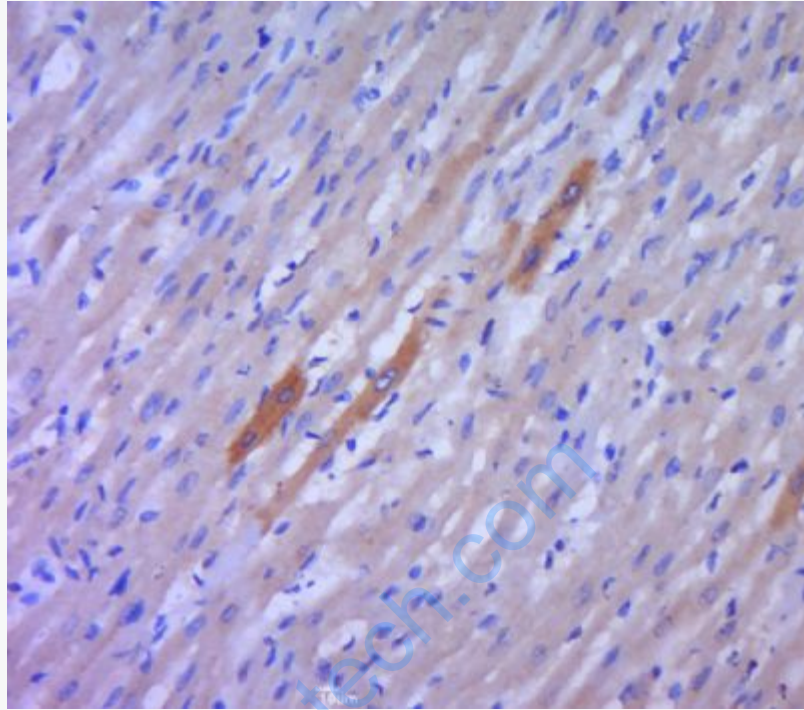
[Omir: 607729](#) Human

[SwissProt: Q9NX09](#) Human

[Unigene: 523012](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



**Picture:**

Paraformaldehyde-fixed, paraffin embedded (rat heart tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DDIT4) Polyclonal Antibody, Unconjugated (SL4240R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.