



Rabbit Anti-TIGAR antibody

SL0640R

Product Name:	TIGAR
Chinese Name:	TIGAR蛋白抗体
Alias:	TP53-induced glycolysis and apoptosis-regulator; C12ORF5; chromosome 12 open reading frame 5; TP53 induced glycolysis and apoptosis regulato; TIGAR HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	WB=1:500-2000ELISA=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.
Molecular weight:	30kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TIGAR:161-270/270
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	This gene is regulated as part of the p53 tumor suppressor pathway and encodes a protein with sequence similarity to the bisphosphate domain of the glycolytic enzyme that degrades fructose-2,6-bisphosphate. The protein functions by blocking glycolysis and directing the pathway into the pentose phosphate shunt. Expression of this protein also protects cells from DNA damaging reactive oxygen species and provides some protection from DNA damage-induced apoptosis. The 12p13.32 region that includes

this gene is paralogous to the 11q13.3 region. [provided by RefSeq, Jul 2008]

Function:

Fructose-bisphosphatase hydrolyzing fructose-2,6-bisphosphate as well as fructose-1,6-bisphosphate. Inhibits glycolysis by reducing cellular levels of fructose-2,6-bisphosphate. May protect cells against reactive oxygen species and against apoptosis induced by tp53.

Subunit:

Monomer.

Similarity:

Belongs to the phosphoglycerate mutase family.

SWISS:

Q9NQ88

Gene ID:

57103

Database links:

[Entrez Gene: 57103](#)Human

[Omim: 610775](#)Human

[SwissProt: Q9NQ88](#)Human

[Unigene: 504545](#)Human

Important Note:

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

TIGAR为TP53诱导糖酵解和凋亡调节因子

TIGAR的表达可以调整对p53的凋亡应答, 主要用于Tumour方面的研究。