

Rabbit Anti-TIGAR/Cy5 Conjugated antibody

SL0640R-Cy5

Product Name	Anti-TIGAR/Cy5
Chinese Name	Cy5 标记的 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.
Research Area	Tumour Cell biology
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	30kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human TIGAR
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: 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.

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。