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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.
Research Area	Tumour Cell biology
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted: Human,)
Applications	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	30kDa
Cellular localization	The nucleus cytoplasmic
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human TIGAR: 161-270/270
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product	This gene is regulated as part of the p53 tumor suppressor pathway and encodes a protein

Detail

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

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。