

Rabbit TIGAR Polyclonal Antibody | anti-C12orf5 antibody

TIGAR Antibody

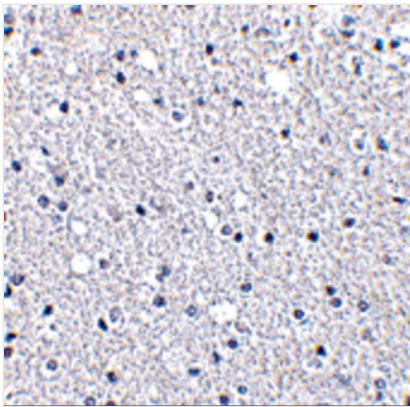
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39530	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

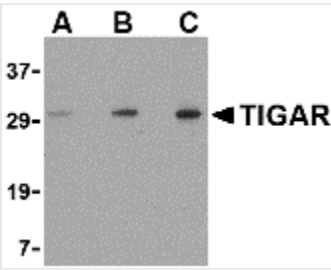
TIGAR; Polyclonal Antibody; TIGAR Antibody; FR2BP; C12orf5; Fructose-2, 6-bisphosphatase TIGAR; TP53-induced glycolysis and apoptosis regulator; chromosome 12 open reading frame 5; anti-C12orf5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	TIGAR Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	270
Applicable Applications for anti-C12orf5 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	TIGAR antibody was raised against a 18 amino acid synthetic peptide from near the center of human TIGAR.
Buffer	TIGAR Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	TIGAR antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



IHC (Immunohistochemistry)
Immunohistochemistry of TIGAR in human brain tissue with TIGAR antibody at 2.5 μg/mL.



WB (Western Blot)
Western blot analysis of TIGAR in EL4 cell lysate with TIGAR antibody at (A) 0.5, (B) 1 and (C) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-C12orf5 antibody	TIGAR Antibody: The p53 tumor-suppressor gene integrates numerous signals that control cell life and death; loss of its functions contributes to the development of most cancers. Recent studies have demonstrated the ability of p53 to regulate the expression of several proteins involved in glycolysis and oxidative phosphorylation, such as TIGAR, SCO2, and phosphoglycerate mutase. TIGAR is a recently discovered protein that functions to regulate glycolysis and protect cells against oxidative stress. TIGAR is similar in structure to proteins in the phosphoglycerate mutase family, most notably 6-phosphofructo-2-kinase, suggesting TIGAR may function as a fructose bispfosphatase. Expression of TIGAR in transfected cells correlated with an inhibition of glycolysis and decreased levels of reactive oxygen species and p53-induced apoptosis, indicating that TIGAR may act to modulate the apoptotic response to p53, thereby allowing cells to survive mild or transient stresses.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9966849
NCBI GeneID	57103
NCBI Accession #	NP_065108
NCBI GenBank Nucleotide #	NM_020375.2
UniProt Accession #	Q9NQ88; B2R840
Molecular Weight	30,063 Da
NCBI Official Full Name	fructose-2,6-bisphosphatase TIGAR
NCBI Official Synonym Full Names	chromosome 12 open reading frame 5
NCBI Official Symbol	C12orf5
NCBI Official Synonym Symbols	FR2BP; TIGAR
NCBI Protein Information	fructose-2,6-bisphosphatase TIGAR; transactivated by NS3TP2 protein; fructose-2,6-bisphosphate 2-phosphatase; probable fructose-2,6-bisphosphatase TIGAR; TP53-induced glycolysis and apoptosis regulator
UniProt Protein Name	Fructose-2,6-bisphosphatase TIGAR
UniProt Gene Name	TIGAR
UniProt Synonym Gene Names	C12orf5
UniProt Entry Name	TIGAR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tigar-antibody-immunohistochemistry-western-blot-elisa/39530>