abcam

Product datasheet

Anti-TIGAR antibody ab189164

2 References   2 Images

Overview

Product name	Anti-TIGAR antibody
Description	Rabbit polyclonal to TIGAR
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P
Species reactivity	**Reacts with:** Mouse, Rat, Human
	Predicted to work with: Chimpanzee
Immunogen	Synthetic peptide within Human TIGAR aa 100-200. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please **contact** our Scientific Support team to discuss your requirements. Database link: **Q9NQ88**
	Run BLAST with **Run BLAST with**
Positive control	Human brain cerebellum tissue. Human, mouse and rat liver lysate.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide Constituents: 0.2% Gelatin, 99% PBS
Purity	Protein G purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our **Abpromise guarantee** covers the use of ab189164 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 4 µg/ml. Predicted molecular weight: 30 kDa.
IHC-P		Use a concentration of 10 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Target

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Function	Probable fructose-biphosphatase. Lowers cellular levels of fructose 2,6-bisphosphate. Protects cells against reactive oxygen species and against apoptosis induced by p53/TP53.
Sequence similarities	Belongs to the phosphoglycerate mutase family.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.

Images

Western blot - Anti-TIGAR antibody (ab189164)
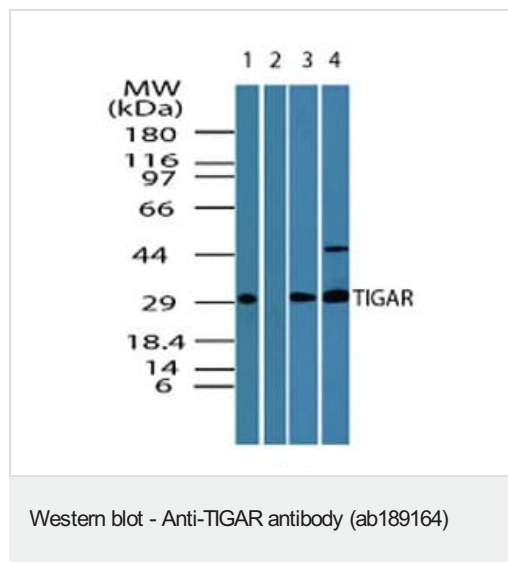
Lanes 1-2 : Anti-TIGAR antibody (ab189164) at 1 µg/ml

Lane 3 : Anti-TIGAR antibody (ab189164) at 4 µg/ml

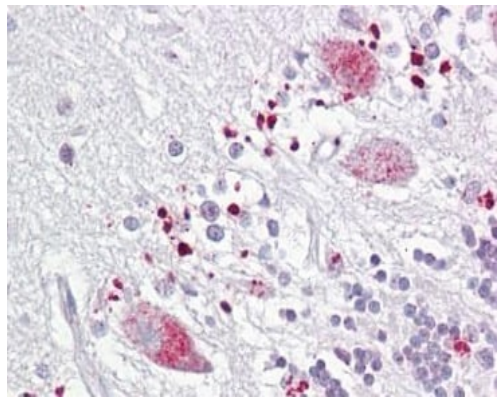**Lane 4 :** Anti-TIGAR antibody (ab189164) at 2 µg/ml

Lane 1 : Human liver lysate

Lane 2 : Human liver lysate plus immunizing peptide

Lane 3 : Mouse liver lysate

Lane 4 : Rat liver lysate

Predicted band size: 30 kDa

Immunohistochemical analysis of formalin/PFA-fixed paraffin-embedded human brain cerebellum tissue sections labeling TIGAR using ab189164 at 10 μg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TIGAR antibody (ab189164)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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