

Product datasheet

Anti-Taf4 antibody ab52846

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Overview

Product name	Anti-Taf4 antibody
Description	Mouse polyclonal to Taf4
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Drosophila melanogaster
Immunogen	Fusion protein: MNTSQTAAGN RITFTSQPLP NGTISIAGNP GAVISTAQLP NTTTIKTIQA GIGGQHQGLQ QVHHVQQQQQ SQQQQQQQQQ TQSAGQPLLN SMLPAGVVVG , corresponding to amino acids 695-794 of Fruit fly (Drosophila melanogaster) Taf4 Run BLAST with ExPASy Run BLAST with NCBI

General notes

This antibody was raised by a genetic immunization technique. Genetic immunization can be used to generate antibodies by directly delivering antigen-coding DNA into the animal, rather than injecting a protein or peptide (Tang et al. PubMed: 1545867; Chambers and Johnston PubMed 12910245; Barry and Johnston PubMed: 9234514). The animal's cells produce the protein, which stimulates the animal's immune system to produce antibodies against that particular protein. A vector coding for a partial fusion protein was used for genetic immunisation of a mouse and the resulting serum was tested in Western blot against an E.coli lysate containing that partial fusion protein. Genetic immunization offers enormous advantages over the traditional protein-based immunization method. DNA is faster, cheaper and easier to produce and can be produced by standard techniques readily amenable to automation. Furthermore, the antibodies generated by genetic immunization are usually of superior quality with regard to specificity, affinity and recognizing the native protein.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Constituents: 50% Glycerol, Whole serum
Purity	Whole antiserum
Primary antibody notes	This antibody was raised by a genetic immunization technique. Genetic immunization can be used to generate antibodies by directly delivering antigen-coding DNA into the animal, rather than injecting a protein or peptide (Tang et al. PubMed: 1545867; Chambers and Johnston PubMed

12910245; Barry and Johnston PubMed: 9234514). The animal's cells produce the protein, which stimulates the animal's immune system to produce antibodies against that particular protein. A vector coding for a partial fusion protein was used for genetic immunisation of a mouse and the resulting serum was tested in Western blot against an *E.coli* lysate containing that partial fusion protein. Genetic immunization offers enormous advantages over the traditional protein-based immunization method. DNA is faster, cheaper and easier to produce and can be produced by standard techniques readily amenable to automation. Furthermore, the antibodies generated by genetic immunization are usually of superior quality with regard to specificity, affinity and recognizing the native protein.

Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab52846 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	(1)	1/1000. Predicted molecular weight: 110 kDa. This antibody has been tested in Western blot against an <i>E.coli</i> lysate containing the partial recombinant fusion protein used as an immunogen. We have no data on detection of endogenous protein.

Target

Function

Part of the TFIID complex, a multimeric protein complex that plays a central role in mediating promoter responses to various activators and repressors. Potentiates transcriptional activation by the AF-2S of the retinoic acid, vitamin D3 and thyroid hormone.

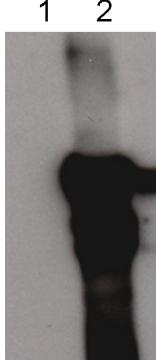
Sequence similarities

Belongs to the TAF4 family.
Contains 1 TAFH (NHR1) domain.

Cellular localization

Nucleus.

Images



Western blot - Anti-Taf4 antibody (ab52846)

All lanes : Anti-Taf4 antibody (ab52846) at 1/1000 dilution

Lane 1 : Total protein extract from E coli with ~50ng to 100ng of an irrelevant antigen

Lane 2 : Total protein extract from E coli with ~50ng to 500ng of the antigen

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Rabbit anti-mouse IgG + IgM, (H+L) horseradish peroxidase conjugated at 1/5000 dilution

Predicted band size: 110 kDa

The molecular weight of the band on the western blot does not correspond to the molecular weight of the natural protein because only a fragment of the gene is used and it is tagged.

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