abcam

ab189428

Anti-TAF4B antibody - C-terminal

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.4 Preservative: 0.09% Sodium azide Constituents: PBS
Form	Liquid
Clonality	Polyclonal
Immunogen	Synthetic Peptide within Human TAF4B aa 650 to C-terminus conjugated to Keyhole Limpet Haemocyanin. The exact immunogen used to generate this antibody is proprietary information. Database link Q92750
Purification technique	Affinity purification Immunogen
Concentration	0.4 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

WB

Tested

Species	Human
Dilution info	1/1000
Notes	-

IHC-P

Tested

Species	Human
Dilution info	5 µg/mL
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-
Notes	ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

Target data

See full target information TAF4B

Function	Cell type-specific subunit of the general transcription factor TFIID that may function as a gene-selective coactivator in certain cells. TFIID is a multimeric protein complex that plays a central role in mediating promoter responses to various activators and repressors. TAF4B is a transcriptional coactivator of the p65/RELA NF-kappa-B subunit. Involved in the activation of a subset of antiapoptotic genes including TNFAIP3. May be involved in regulating folliculogenesis. Through interaction with OCBA/POU2AF1, acts as a coactivator of B-cell-specific transcription. Plays a role in spermiogenesis and oogenesis.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Supplementary info

This supplementary information is collated from multiple sources and compiled automatically.

Activity summary	TAF4B also known as TBP-associated factor 4B is a protein important in transcription initiation. This protein is part of the TFIID complex and has a mass of approximately 85 kDa. It is expressed in various tissues including ovaries and testes. TAF4B facilitates interactions between TBP (TATA-binding protein) and other transcription factors promoting the assembly of pre-initiation complexes on gene promoters.
Biological function summary	TAF4B has significant roles in regulating gene expression. It forms part of the multi-subunit TFIID complex. Through this association TAF4B is involved in the transcription of genes required for cell cycle progression and development. Its expression levels and regulation affect cellular differentiation and growth making it essential for normal cellular functions especially in reproductive tissues.
Pathways	TAF4B participates in key biological processes such as the RNA polymerase II pre-initiation complex formation. It interacts with other TAFs (TBP-associated factors) and transcriptional activators that modulate gene expression in response to cellular signals. In particular the estrogen signaling pathway has a link with TAF4B influencing gene transcription in reproductive tissues. This protein works closely with other components of the TFIID complex to ensure accurate transcriptional regulation.
Associated diseases and disorders	Alterations in TAF4B expression or function associate with conditions like infertility and ovarian dysfunction. In reproductive disorders its expression levels may impact genes imperative for gonadal development. TAF4B's interaction with estrogen receptors also suggests potential connections to disorders influenced by hormonal imbalances though more studies are needed to fully define these links and associated proteins.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

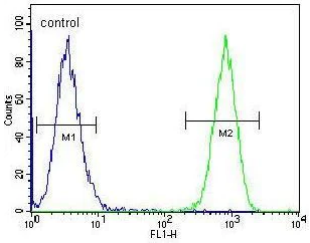
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

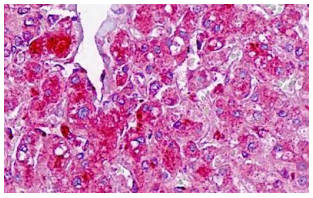
3 product images



Flow Cytometry (Intracellular) - Anti-TAF4B antibody - C-terminal (ab189428)

TAF4B Flow Cytometry (Intracellular) staining using rabbit Anti-TAF4B antibody

Intracellular flow cytometric analysis of K562 cells labeling TAF4B with ab189428 at 1/10 dilution (right histogram) compared to negative control cells (left histogram) using FITC-conjugated goat-anti-rabbit secondary antibodies.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TAF4B antibody - C-terminal (ab189428)

TAF4B Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-TAF4B antibody

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human liver tissue labeling TAF4B with ab189428 at 5 µg/ml.



Western blot - Anti-TAF4B antibody - C-terminal (ab189428)

All lanes:
Western blot - Anti-TAF4B antibody - C-terminal (ab189428) at 1/1000 dilution

All lanes:
K562 cell lysate at 35 µg

Predicted band size: 91 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.