

Rabbit TAF8/TBN Polyclonal Antibody | anti-TAF8 antibody

Anti-TAF8/TBN Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126589	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

TAF8/TBN; Polyclonal Antibody; Anti-TAF8/TBN Antibody Picoband; anti-TAF8 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-TAF8 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human TAF8/TBN recombinant protein (Position: K20-S310).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 4. Flow Cytometry analysis of HL-60 cells using anti-TAF8/TBN antibody (AAA126589). Overlay histogram showing HL-60 cells stained with AAA126589 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TAF8/TBN Antibody (AAA126589, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of A431 cells using anti-TAF8/TBN antibody (AAA126589). Overlay histogram showing A431 cells stained with AAA126589 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TAF8/TBN Antibody (AAA126589, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 2. IF analysis of TAF8/TBN using anti-TAF8/TBN antibody (AAA126589).TAF8/TBN was detected in an immunocytochemical section of Caco-2 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-TAF8/TBN Antibody (AAA126589) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of TAF8/TBN using anti-TAF8/TBN antibody (AAA126589).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human Hela whole cell lysates,Lane 2: human THP-1 whole cell lysates,Lane 3: rat heart tissue lysates,Lane 4: rat testis tissue lysates,Lane 5: rat PC-12 whole cell lysates,Lane 6: mouse heart tissue lysates,Lane 7: mouse testis tissue lysates,Lane 8: mouse lung tissue lysates,Lane 9: mouse RAW264.7 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TAF8/TBN antigen affinity purified polyclonal antibody (#AAA126589) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for TAF8/TBN at approximately 34 kDa. The expected band size for TAF8/TBN is at 34 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TAF8 antibody	Transcription initiation factor TFIID subunit 8 is a protein that in humans is encoded by the TAF8 gene. This gene encodes one of several TATA-binding protein (TBP)-associated factors (TAFs), which are integral subunits of the general transcription factor complex TFIID. TFIID recognizes the core promoter of many genes and nucleates the assembly of a transcription preinitiation complex containing RNA polymerase II and other initiation factors. The protein encoded by this gene contains an H4-like histone fold domain, and interacts with several subunits of TFIID including TBP and the histone-fold protein TAF10. Alternatively spliced transcript variants have been described, but their biological validity has not been determined.
Product Categories/Family for anti-TAF8 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	104485446
NCBI GeneID	129685
NCBI Accession #	NP_612639.2
NCBI GenBank Nucleotide #	NM_138572.2
UniProt Accession #	Q7Z7C8; Q5T0K1; Q8N4R9; Q96M52
Molecular Weight	37,411 Da
NCBI Official Full Name	transcription initiation factor TFIID subunit 8
NCBI Official Synonym Full Names	TAF8 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 43kDa
NCBI Official Symbol	TAF8
NCBI Official Synonym Symbols	43; II; TAF; TBN; TAFII43; TAFII-43
NCBI Protein Information	transcription initiation factor TFIID subunit 8; hTAFII43; protein taube nuss; taube nuss homolog; TBP-associated factor 8; TBP-associated factor 43 kDa; TBP-associated factor TAFII43; TBP-associated factor, RNA polymerase II, 43 kD; transcription initiat
UniProt Protein Name	Transcription initiation factor TFIID subunit 8
UniProt Gene Name	TAF8
UniProt Synonym Gene Names	TAFII43; TBN; TAFII-43; TAFII43; hTAFII43

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/taf8-tbn-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/126589>