

Rabbit TAF4 Polyclonal Antibody | anti-TAF4 antibody

TAF4 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197585	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit	Western Blot, Chromatin Immunoprecipitation, Immunoprecipitation

PRODUCT SYNONYMS

TAF4; Polyclonal Antibody; TAF4 antibody - middle region; anti-TAF4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: EQ ASDVRAQLKF FEQLDQIEKQ RKDEQEREIL MRAAKSRSRQ EDPEQLRL
Sequence Length	1085
Applicable Applications for anti-TAF4 antibody	WB (Western Blot), ChIP (Chromatin immunoprecipitation)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 78%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human TAF4
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-TAF4 Antibody Titration: 0.2-1 ug/ml
 ELISA Titer: 1:31250
 Positive Control: 293T cell lysate
 TAF4 is supported by BioGPS gene expression data to be expressed in HEK293T



ChIP (Chromatin Immunoprecipitation)

Quiescent human colon carcinoma HCT116 cultures were treated with 10% FBS for three time points (0, 15, 30min) or (0, 30, 60min) were used in Matrix-ChIP and real-time PCR assays at EGR1 gene (Exon1) and 15kb upstream site.

ADDITIONAL INFORMATION

Related Product Information for anti-TAF4 antibody	This is a rabbit polyclonal antibody against TAF4. It was validated on Western Blot using a cell lysate as a positive control. Target Description: Initiation of transcription by RNA polymerase II requires the activities of more than 70 polypeptides. The protein that coordinates these activities is transcription factor IID (TFIID), which binds to the core promoter to position the polymerase properly, serves as the scaffold for assembly of the remainder of the transcription complex, and acts as a channel for regulatory signals. TFIID is composed of the TATA-binding protein (TBP) and a group of evolutionarily conserved proteins known as TBP-associated factors or TAFs. TAFs may participate in basal transcription, serve as coactivators, function in promoter recognition or modify general transcription factors (GTFs) to facilitate complex assembly and transcription initiation. TAF4 is one of the larger subunits of TFIID that has been shown to potentiate transcriptional activation by retinoic acid, thyroid hormone and vitamin D3 receptors. In addition, this subunit interacts with the transcription factor CREB, which has a glutamine-rich activation domain, and binds to other proteins containing glutamine-rich regions. Aberrant binding to this subunit by proteins with expanded polyglutamine regions has been suggested as one of the pathogenetic mechanisms underlying a group of neurodegenerative disorders referred to as polyglutamine diseases. Initiation of transcription by RNA polymerase II requires the activities of more than 70 polypeptides. The protein that coordinates these activities is transcription factor IID (TFIID), which binds to the core promoter to position the polymerase properly, serves as the scaffold for assembly of the remainder of the transcription complex, and acts as a channel for regulatory signals. TFIID is composed of the TATA-binding protein (TBP) and a group of evolutionarily conserved proteins known as TBP-associated factors or TAFs. TAFs may participate in basal transcription, serve as coactivators, function in promoter recognition or modify general transcription factors (GTFs) to facilitate complex assembly and transcription initiation. This gene encodes one of the larger subunits of TFIID that has been shown to potentiate transcriptional activation by retinoic acid, thyroid hormone and vitamin D3 receptors. In addition, this subunit interacts with the transcription factor CREB, which has a glutamine-rich activation domain, and binds to other proteins containing glutamine-rich regions. Aberrant binding to this subunit by proteins with expanded polyglutamine regions has been suggested as one of the pathogenetic mechanisms underlying a group of neurodegenerative disorders referred to as polyglutamine diseases. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-TAF4 antibody	Polyclonal ; Transcription Factor ; Transcription Regulation ; Transcription Regulation ; Signal Transduction ; Disease Related ; DNA/RNA/Protein Interactions ; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	110832843
NCBI GeneID	6874
NCBI Accession #	NP_003176
NCBI GenBank Nucleotide #	NM_003185
UniProt Accession #	O00268
Molecular Weight	110kDa
NCBI Official Full Name	transcription initiation factor TFIID subunit 4
NCBI Official Synonym Full Names	TATA-box binding protein associated factor 4
NCBI Official Symbol	TAF4
NCBI Official Synonym Symbols	TAF2C; TAF4A; TAF2C1; TAFII130; TAFII135
NCBI Protein Information	transcription initiation factor TFIID subunit 4
UniProt Protein Name	Transcription initiation factor TFIID subunit 4
UniProt Gene Name	TAF4
UniProt Synonym Gene Names	TAF2C; TAF2C1; TAF4A; TAFII130; TAFII135; TAF(II)130; TAFII-130; TAFII130; TAF(II)135; TAFII-135; TAFII135

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/taf4-antibody-western-blot-chromatin-immunoprecipitation-elisa/197585>