

Rabbit TAF1 Polyclonal Antibody | anti-TAF1 antibody

TAF1 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197372	Rabbit	Cow, Dog, Horse, Human, Mouse, Pig, Rabbit, Rat	Western Blot, Chromatin Immunoprecipitation, Immunoprecipitation

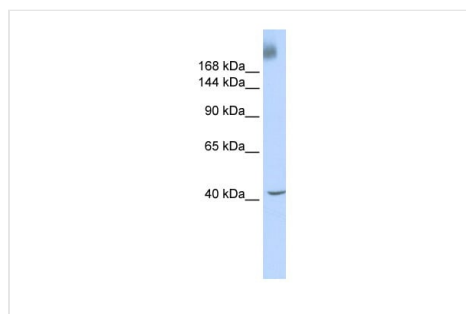
PRODUCT SYNONYMS

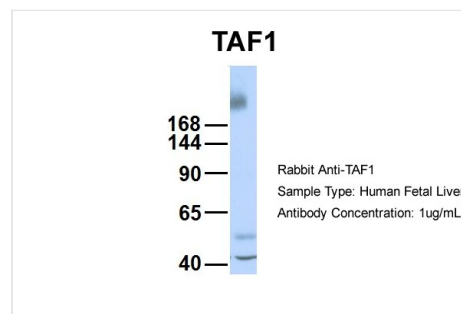
TAF1; Polyclonal Antibody; TAF1 antibody - middle region; anti-TAF1 antibody

PRODUCT SPECIFICATIONS

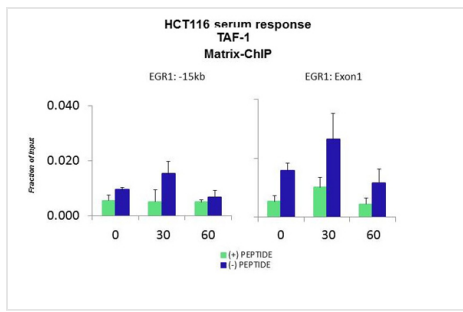
Host	Rabbit
Reactivity	Cow, Dog, Horse, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: MM SYEGDGGEAS HGLEDNSISY GS YEEDPKS NTQDTSFSSI GGYEVSEE
Sequence Length	1893
Applicable Applications for anti-TAF1 antibody	WB (Western Blot), ChIP (Chromatin immunoprecipitation)
Homology	Cow: 100%; Dog: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human TAF1
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-TAF1 Antibody Titration: 0.2-1 ug/mL
ELISA Titer: 1:312500
Positive Control: Human Liver

WB (Western Blot)

Host: Rabbit
Target Name: TAF1
Sample Type: Human Fetal Liver
Antibody Dilution: 1.0 ug/ml



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-TAF1 antibody

This is a rabbit polyclonal antibody against TAF1. 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 the basal transcription factor 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. TAF1 encodes the largest subunit of TFIID. This subunit binds to core promoter sequences encompassing the transcription start site. It also binds to activators and other transcriptional regulators, and these interactions affect the rate of transcription initiation. This subunit contains two independent protein kinase domains at the N and C-terminals, but also possesses acetyltransferase activity and can act as a ubiquitin-activating/conjugating enzyme. Initiation of transcription by RNA polymerase II requires the activities of more than 70 polypeptides. The protein that coordinates these activities is the basal transcription factor 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 the largest subunit of TFIID. This subunit binds to core promoter sequences encompassing the transcription start site. It also binds to activators and other transcriptional regulators, and these interactions affect the rate of transcription initiation. This subunit contains two independent protein kinase domains at the N and C-terminals, but also possesses acetyltransferase activity and can act as a ubiquitin-activating/conjugating enzyme. Two transcripts encoding different isoforms have been identified for this gene.

Product Categories/Family for anti-TAF1 antibody

Polyclonal; Transcription Factor; Transcription Regulation; Cell Cycle Proteins; Transcription Regulation; E3 & Ubiquitin; DNA/RNA/Protein Interactions; Phosphorylation; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	20357585
NCBI GeneID	6872
NCBI Accession #	NP_004597
NCBI GenBank Nucleotide #	NM_004606
UniProt Accession #	P21675
Molecular Weight	215kDa
NCBI Official Full Name	transcription initiation factor TFIID subunit 1 isoform 1
NCBI Official Synonym Full Names	TATA-box binding protein associated factor 1

NCBI Official Symbol	TAF1
NCBI Official Synonym Symbols	OF; XDP; BA2R; CCG1; CCGS; DYT3; KAT4; P250; NSCL2; TAF2A; MRXS33; N-TAF1; TAFII250; DYT3/TAF1; TAFII-250; TAF(II)250
NCBI Protein Information	transcription initiation factor TFIID subunit 1
UniProt Protein Name	Transcription initiation factor TFIID subunit 1
UniProt Gene Name	TAF1
UniProt Synonym Gene Names	BA2R; CCG1; CCGS; TAF2A; p250; TAF(II)250; TAFII-250; TAFII250
UniProt Entry Name	TAF1_HUMAN

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://www.aaabiotech.com/polyclonal/taf1-antibody-western-blot-chromatin-immunoprecipitation-elisa/197372>