Datasheet for ABIN2779667

anti-TAF1 antibody (C-Term)

4 Images

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Overview

Quantity:	100 µL
Target:	TAF1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Horse, Cow, Rabbit, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TAF1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human TAF1
Sequence:	YEVSEEEEDE EEEEQRSGPS VLSQVHLSED EEDSEDFHSI AGDSDLDSDE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Horse: 93%, Human: 100%, Mouse: 93%, Pig: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against TAF1. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

Target Details

Target:	TAF1

Target Details

Alternative Name:	TAF1 (TAF1 Products)
Background:	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. Alias Symbols: BA2R, CCG1, CCGS, DYT3, KAT4, NSCL2, OF, P250, TAF2A, TAFII250, XDP, N-TAF1, DYT3/TAF1 Protein Interaction Partner: AR, UBE2I, TAF4B, HIST3H3, UBC, TBP, MED26, TAF3, TAF9B, TAF7, TAF6, TAF5, TAF4, TAF2, CCNT1, GFI1B, TP53, MEN1, GTF2F1, BRMS1, PHF8, PAX3, CTCF, HIST1H4A, HIST1H3A, TAF8, MDM2, ASF1A, SIN3A, ALL1, SMARCA2, APC, RANBP2, MAX, TBPL1, TAF13, TAF10, ASF1B, TA Protein Size: 1872

Target Details

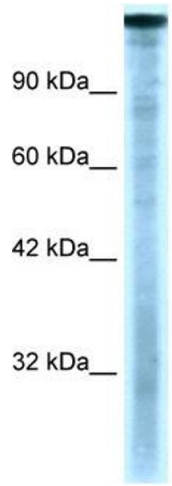
Molecular Weight:	215 kDa
Gene ID:	6872
NCBI Accession:	NM_138923, NP_620278

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 1872 AA
Restrictions:	For Research Use only

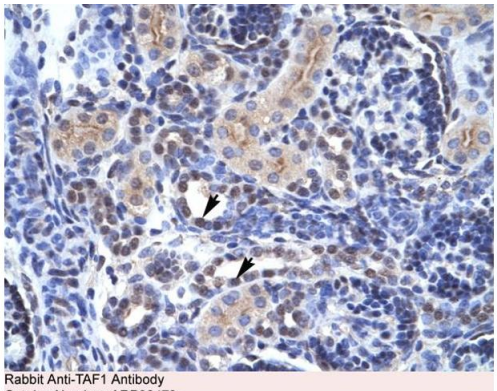
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



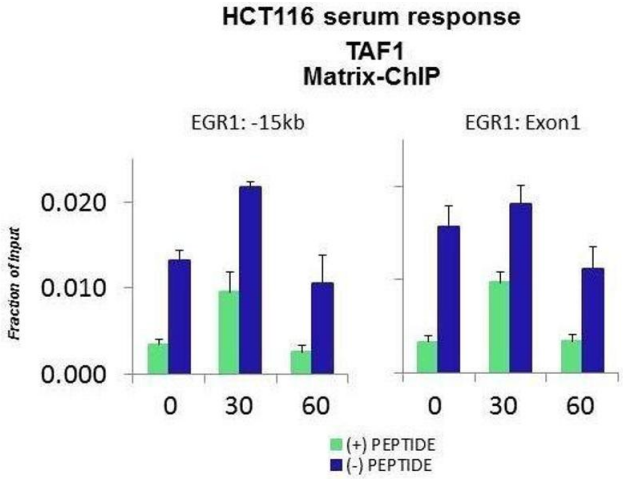
Western Blotting

Image 1. WB Suggested Anti-TAF1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Daudi cell lysate TAF1 is strongly supported by BioGPS gene expression data to be expressed in Human Daudi cells



Immunohistochemistry

Image 2. Human kidney



Chromatin Immunoprecipitation

Image 3. 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.

Please check the product details page for more images. Overall 4 images are available for ABIN2779667.