Datasheet for ABIN2792680

anti-TAF12 antibody (N-Term)

2 Images

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Overview

Quantity:	100 µL
Target:	TAF12
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Cow, Dog, Horse, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TAF12 antibody is un-conjugated
Application:	Western Blotting (WB), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human TAF12
Sequence:	MNQFGPSALI NLSNFSSIKP EPASTPPQGS MANSTAVVKI PGTPGAGGRL
Cross-Reactivity:	Cow (Bovine), Dog (Canine), Chicken, Human, Mouse (Murine), Rat (Rattus)
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 92%, Horse: 100%, Human: 100%, Mouse: 85%, Rabbit: 100%, Rat: 92%
Characteristics:	This is a rabbit polyclonal antibody against TAF12. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	TAF12
Alternative Name:	TAF12 (TAF12 Products)
Background:	Control of transcription by RNA polymerase II involves the basal transcription machinery which is a collection of proteins. These proteins with RNA polymerase II, assemble into complexes which are modulated by transactivator proteins that bind to cis-regulatory elements located adjacent to the transcription start site. Some modulators interact directly with the basal complex, whereas others may act as bridging proteins linking transactivators to the basal transcription factors. Some of these associated factors are weakly attached while others are tightly associated with TBP in the TFIID complex. Among the latter are the TAF proteins. Different TAFs are predicted to mediate the function of distinct transcriptional activators for a variety of gene promoters and RNA polymerases. TAF12 interacts directly with TBP as well as with TAF2I.Control of transcription by RNA polymerase II involves the basal transcription machinery which is a collection of proteins. These proteins with RNA polymerase II, assemble into complexes which are modulated by transactivator proteins that bind to cis-regulatory elements located adjacent to the transcription start site. Some modulators interact directly with the basal complex, whereas others may act as bridging proteins linking transactivators to the basal transcription factors. Some of these associated factors are weakly attached while others are tightly associated with TBP in the TFIID complex. Among the latter are the TAF proteins. Different TAFs are predicted to mediate the function of distinct transcriptional activators for a variety of gene promoters and RNA polymerases. TAF12 interacts directly with TBP as well as with TAF2I. 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. Alias Symbols: TAF2J, TAFII20 Protein Interaction Partner: PRKAR2B, SUMO1, UBE2I, TAF4B, KAT2B, HIST3H3, SUPT3H, TAF4, ERCC1, TAF10, ELAVL1, CPSF1, TAF3, TBP, TAF1A, TAF1C, ATF7, ATXN7, NFYC, NFYB, NFYA, TAF6, TAF8, TAF9, TAF11, TAF5, TAF15, TAF7, TAF2, TAF1, MYC, Protein Size: 161
Molecular Weight:	18 kDa
Gene ID:	6883
NCBI Accession:	NM_005644, NP_005635
UniProt:	Q16514

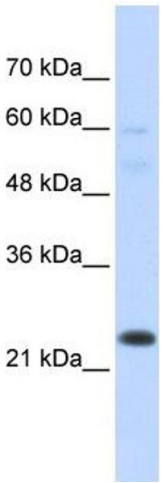
Application Details

Application Notes:	WB Suggested Anti-TAF12 Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:312500 Positive Control: Transfected 293T. Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 161 AA
Restrictions:	For Research Use only

Handling

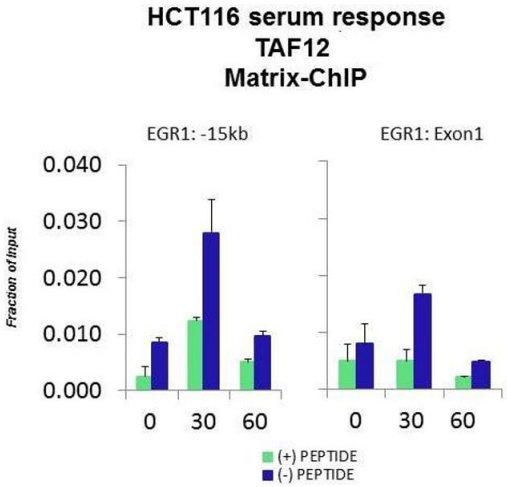
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained 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.

Images



Western Blotting

Image 1. WB Suggested Anti-TAF12 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Transfected 293T TAF12 is supported by BioGPS gene expression data to be expressed in HEK293T



Chromatin Immunoprecipitation

Image 2. 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.