

## Rabbit TAF1 Polyclonal Antibody | anti-TAF1 antibody

TAF1 antibody - C-terminal region

|                               |                       |                                                                      |                                                                                                               |
|-------------------------------|-----------------------|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA197373</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Cow, Dog, Horse, Human, Mouse, Pig, Rabbit, Rat</b> | APPLICATIONS<br><b>Chromatin Immunoprecipitation, Immunoprecipitation, Western Blot, Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|

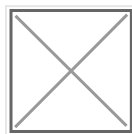
### PRODUCT SYNONYMS

TAF1; Polyclonal Antibody; TAF1 antibody - C-terminal region; anti-TAF1 antibody

### PRODUCT SPECIFICATIONS

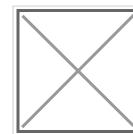
|                                                |                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 located within the following region: YE VSEEEDEEE EEQRSGPSVL SQVHLSDEE DSEDFHSIAG DSDLDSDE                                          |
| Sequence Length                                | 1872                                                                                                                                                  |
| Applicable Applications for anti-TAF1 antibody | ChIP (Chromatin immunoprecipitation), WB (Western Blot), IHC (Immunohistochemistry)                                                                   |
| Homology                                       | Cow: 100%; Dog: 100%; Horse: 93%; Human: 100%; Mouse: 93%; Pig: 100%; Rabbit: 100%; Rat: 100%                                                         |
| Immunogen                                      | The immunogen is a synthetic peptide directed towards the C terminal 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



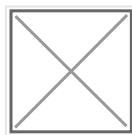
#### WB (Western Blot)

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



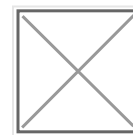
#### WB (Western Blot)

Host: Mouse  
Target Name: TAF1  
Sample Tissue: Mouse Heart  
Antibody Dilution: 1ug/ml



#### IHC (Immunohistochemistry)

Human kidney



#### 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 | <p>This is a rabbit polyclonal antibody against TAF1. It was validated on Western Blot and immunohistochemistry</p> <p>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.</p> |
| Product Categories/Family for anti-TAF1 antibody   | Polyclonal; Transcription Factor; Transcription Regulation; Cell Cycle Proteins; Transcription Regulation; E3 & Ubiquitin; DNA/RNA/Protein Interactions; Immunohistochemistry; Phosphorylation; Transcription Factors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                       |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 20357588                                                                                                              |
| NCBI GeneID                      | 6872                                                                                                                  |
| NCBI Accession #                 | NP_620278                                                                                                             |
| NCBI GenBank Nucleotide #        | NM_138923                                                                                                             |
| UniProt Accession #              | P21675                                                                                                                |
| Molecular Weight                 | 215kDa                                                                                                                |
| NCBI Official Full Name          | transcription initiation factor TFIID subunit 1 isoform 2                                                             |
| 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.

