

Anti-TAF1 Rabbit Monoclonal Antibody Catalog # ABO16024

Specification

Anti-TAF1 Rabbit Monoclonal Antibody - Product Information

Application	WB
Primary Accession	P21675
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-TAF1 Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

Anti-TAF1 Rabbit Monoclonal Antibody - Additional Information

Gene ID 6872

Other Names

Transcription initiation factor TFIID subunit 1, 2.3.1.48, 2.7.11.1, Cell cycle gene 1 protein, TBP-associated factor 250 kDa, p250, Transcription initiation factor TFIID 250 kDa subunit, TAF(II)250, TAFII-250, TAFII250, TAF1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=11535), BA2R, CCG1, CCGS, TAF2A

Calculated MW

250-300 kDa KDa

Application Details

WB 1:500-1:2000

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human TAF1

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-TAF1 Rabbit Monoclonal Antibody - Protein Information

Name TAF1 ([HGNC:11535](#))

Synonyms BA2R, CCG1, CCGS, TAF2A

Function

The TFIID basal transcription factor complex plays a major role in the initiation of RNA polymerase II (Pol II)-dependent transcription (PubMed: [33795473](http://www.uniprot.org/citations/33795473)). TFIID recognizes and binds promoters with or without a TATA box via its subunit TBP, a TATA-box-binding protein, and promotes assembly of the pre-initiation complex (PIC) (PubMed: [33795473](http://www.uniprot.org/citations/33795473)). The TFIID complex consists of TBP and TBP-associated factors (TAFs), including TAF1, TAF2, TAF3, TAF4, TAF5, TAF6, TAF7, TAF8, TAF9, TAF10, TAF11, TAF12 and TAF13 (PubMed: [33795473](http://www.uniprot.org/citations/33795473)). TAF1 is the largest component and core scaffold of the TFIID complex, involved in nucleating complex assembly (PubMed: [25412659](http://www.uniprot.org/citations/25412659), PubMed: [27007846](http://www.uniprot.org/citations/27007846), PubMed: [33795473](http://www.uniprot.org/citations/33795473)). TAF1 forms a promoter DNA binding subcomplex of TFIID, together with TAF7 and TAF2 (PubMed: [33795473](http://www.uniprot.org/citations/33795473)). Contains novel N- and C-terminal Ser/Thr kinase domains which can autophosphorylate or transphosphorylate other transcription factors (PubMed: [25412659](http://www.uniprot.org/citations/25412659), PubMed: [8625415](http://www.uniprot.org/citations/8625415)). Phosphorylates TP53 on 'Thr-55' which leads to MDM2- mediated degradation of TP53 (PubMed: [25412659](http://www.uniprot.org/citations/25412659)). Phosphorylates GTF2A1 and GTF2F1 on Ser residues (PubMed: [25412659](http://www.uniprot.org/citations/25412659)). Possesses DNA-binding activity (PubMed: [25412659](http://www.uniprot.org/citations/25412659)). Essential for progression of the G1 phase of the cell cycle (PubMed: [11278496](http://www.uniprot.org/citations/11278496), PubMed: [15053879](http://www.uniprot.org/citations/15053879), PubMed: [2038334](http://www.uniprot.org/citations/2038334), PubMed: [8450888](http://www.uniprot.org/citations/8450888), PubMed: [8625415](http://www.uniprot.org/citations/8625415), PubMed: [9660973](http://www.uniprot.org/citations/9660973), PubMed: [9858607](http://www.uniprot.org/citations/9858607)). Exhibits histone acetyltransferase activity towards histones H3 and H4 (PubMed: [15870300](http://www.uniprot.org/citations/15870300)).

Cellular Location

Nucleus

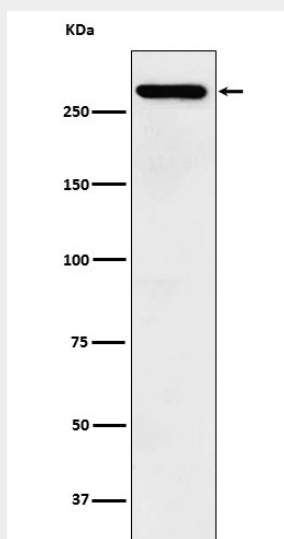
Anti-TAF1 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

Anti-TAF1 Rabbit Monoclonal Antibody - Images



Western blot analysis of TAF1 expression in SH-SY5Y cell lysate.