

TAF1 Rabbit mAb

Catalog # AP78488

Product Information

Application	WB
Primary Accession	P21675
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human TAF1
Purification	Affinity Purified
Calculated MW	214714

Additional Information

Gene ID	6872
Other Names	TAF1
Dilution	WB~~1/500-1/1000
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

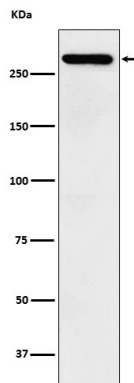
Name	TAF1 (HGNC:11535)
Synonyms	BA2R, CCG1, CCGS, TAF2A
Function	<p>The TFIID basal transcription factor complex plays a major role in the initiation of RNA polymerase II (Pol II)-dependent transcription (PubMed:33795473). TFIID recognizes and binds promoters with or without a TATA box via its subunit TBP, a TATA-box-binding protein, and promotes assembly of the pre-initiation complex (PIC) (PubMed:33795473). 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). TAF1 is the largest component and core scaffold of the TFIID complex, involved in nucleating complex assembly (PubMed:25412659, PubMed:27007846, PubMed:33795473). TAF1 forms a promoter DNA binding subcomplex of TFIID, together with TAF7 and TAF2 (PubMed:33795473). Contains novel N- and C-terminal Ser/Thr kinase</p>

domains which can autophosphorylate or transphosphorylate other transcription factors (PubMed:[25412659](#), PubMed:[8625415](#)). Phosphorylates TP53 on 'Thr-55' which leads to MDM2- mediated degradation of TP53 (PubMed:[25412659](#)). Phosphorylates GTF2A1 and GTF2F1 on Ser residues (PubMed:[25412659](#)). Possesses DNA-binding activity (PubMed:[25412659](#)). Essential for progression of the G1 phase of the cell cycle (PubMed:[11278496](#), PubMed:[15053879](#), PubMed:[2038334](#), PubMed:[8450888](#), PubMed:[8625415](#), PubMed:[9660973](#), PubMed:[9858607](#)). Exhibits histone acetyltransferase activity towards histones H3 and H4 (PubMed:[15870300](#)).

Cellular Location

Nucleus

Images



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