

ARG41574 anti-TAF12 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TAF12
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TAF12
Species	Human
Immunogen	Synthetic peptide corresponding to a sequence of Human TAF12. (QIADDFIESVVTAACQLARHRKSSSTLEVKDVQLHLERQ)
Conjugation	Un-conjugated
Alternate Names	Transcription initiation factor TFIID subunit 12; TAFII20; TAF2J; TAFII20/TAFII15; Transcription initiation factor TFIID 20/15 kDa subunits; TAFII-20/TAFII-15

Application Instructions

Application table	Application	Dilution
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 22 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

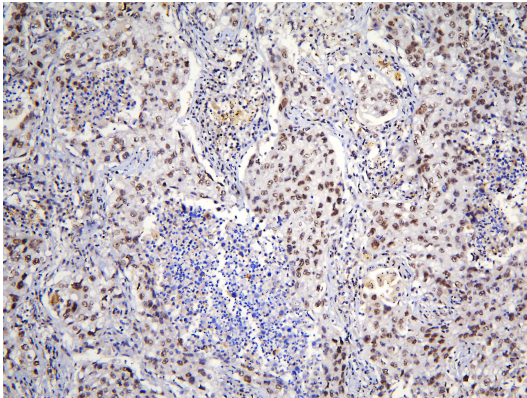
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

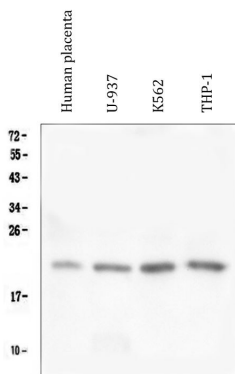
Gene Symbol	TAF12
Gene Full Name	TAF12 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 20kDa
Background	Control of transcription by RNA polymerase II involves the basal transcription machinery which is a collection of proteins. These proteins with RNA polymerase II, assemble into 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. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Sep 2008]
Function	TAFs are components of the transcription factor IID (TFIID) complex, PCAF histone acetylase complex and TBP-free TAFII complex (TFTC). TAFs components-TIIFD are essential for mediating regulation of RNA polymerase transcription. [UniProt]
Calculated Mw	18 kDa
Cellular Localization	Nucleus. [UniProt]

Images



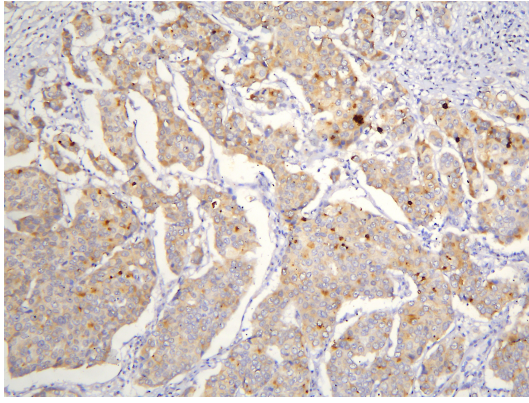
ARG41574 anti-TAF12 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG41574 anti-TAF12 antibody at 1 µg/ml dilution, overnight at 4°C.



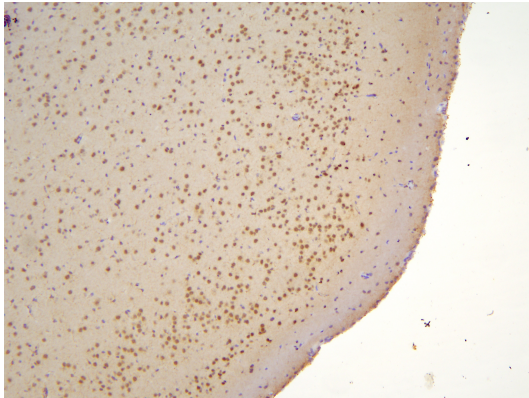
ARG41574 anti-TAF12 antibody WB image

Western blot: 50 µg of samples under reducing conditions. Human placenta, U-937, K562 and THP-1 whole cell lysates stained with ARG41574 anti-TAF12 antibody at 0.5 µg/ml dilution, overnight at 4°C.



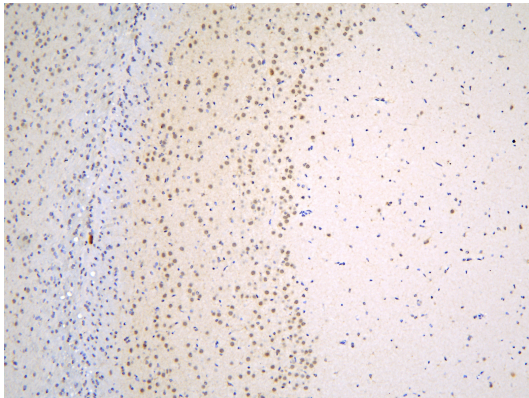
ARG41574 anti-TAF12 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human mammary cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG41574 anti-TAF12 antibody at 1 $\mu\text{g}/\text{ml}$ dilution, overnight at 4°C.



ARG41574 anti-TAF12 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse brain tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG41574 anti-TAF12 antibody at 1 $\mu\text{g}/\text{ml}$ dilution, overnight at 4°C.



ARG41574 anti-TAF12 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG41574 anti-TAF12 antibody at 1 $\mu\text{g}/\text{ml}$ dilution, overnight at 4°C.