

**Datasheet for 600-401-GW8S****TAF10 Antibody****Overview**

|                      |                                             |
|----------------------|---------------------------------------------|
| <b>Description:</b>  | Anti-TAF10 (RABBIT) Antibody - 600-401-GW8S |
| <b>Item No.:</b>     | 600-401-GW8S                                |
| <b>Size:</b>         | 25 µL                                       |
| <b>Applications:</b> | Dot Blot, ELISA, WB                         |
| <b>Reactivity:</b>   | Human                                       |
| <b>Host Species:</b> | Rabbit                                      |

**Product Details**

**Background:** TAF10 (TATA-Box Binding Protein Associated Factor 10) is the protein that coordinates activities for the initiation of transcription by RNA polymerase II required for activities of more than 70 polypeptides. TFIID 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 co-activators, function in promoter recognition or modify general transcription factors (GTFs) to facilitate complex assembly and transcription initiation. This gene encodes one of the small subunits of TFIID that is associated with a subset of TFIID complexes. Studies with human and mammalian cells have shown that this subunit is required for transcriptional activation by the estrogen receptor, for progression through the cell cycle, and may also be required for certain cellular differentiation programs. Anti-TAF10 Antibody is useful for researchers interested in Chromatin research, transcription factor activity research, and DNA binding and transcription co-activator activity research.

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| <b>Synonyms:</b>     | rabbit anti-TAF10 antibody, rabbit anti-Transcription initiation factor TFIID subunit 10 antibody, TAF-10, TAF 10, TAF2A, TAF2H, TAFII30, STAF28, Transcription initiation factor TFIID 30 kDa subunit, TAF(II)30, TAFII-30 |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                      |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                  |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                         |

**Target Details**

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| <b>Gene Name:</b>          | TAF10                                                                                                                                                                                                                                                                                                                                                |
| <b>Reactivity:</b>         | Human                                                                                                                                                                                                                                                                                                                                                |
| <b>Immunogen Type:</b>     | Conjugated Peptide                                                                                                                                                                                                                                                                                                                                   |
| <b>Immunogen:</b>          | TAF10 antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to C-Terminal portion of human TAF10.                                                                                                                                                                                  |
| <b>Purity/Specificity:</b> | This affinity-purified antibody is directed against human TAF10 protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross reactivity with TAF10 protein from human and mouse (100% homology). Reactivity against homologues from other sources is not known. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q12962</a></li><li>• <a href="#">NCBI - NP_006275.1</a></li><li>• <a href="#">GenelD - 6881</a></li></ul>                                                                                                                                                                            |

## Application Details

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| <b>Tested Applications:</b> | Dot Blot, ELISA, WB                                                                                                                                                                                                                                                                                  |
| <b>Application Note:</b>    | Anti-TAF10 Antibody has been tested for use in ELISA, Dot Blot, and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 21.7 kDa in size corresponding to TAF10 protein by western blotting in the appropriate cell lysate or extract. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                      |
| <b>ELISA:</b>               | User Optimized                                                                                                                                                                                                                                                                                       |
| <b>WB:</b>                  | 1.0 ug/ml                                                                                                                                                                                                                                                                                            |
| <b>Other:</b>               | Dot blot: 1.0 ug/ml                                                                                                                                                                                                                                                                                  |

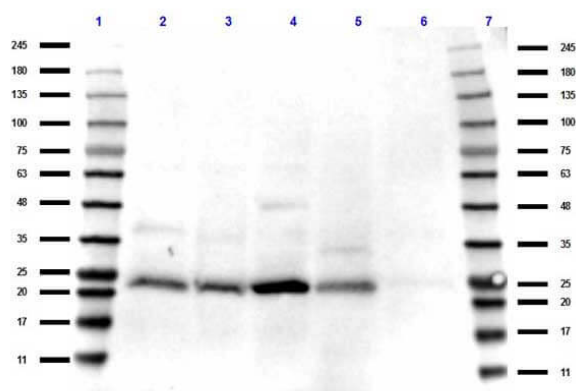
## Formulation

|                        |                                                            |
|------------------------|------------------------------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)                                  |
| <b>Concentration:</b>  | 1.0 mg/ml by UV absorbance at 280 nm                       |
| <b>Buffer:</b>         | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>   | 0.01% (w/v) Sodium Azide                                   |
| <b>Stabilizer:</b>     | None                                                       |

## Shipping & Handling

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Shipping Condition:</b> | Dry Ice                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage Condition:</b>  | Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing. |
| <b>Expiration:</b>         | Expiration date is one (1) year from date of receipt.                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Images



### Western Blot

Western Blot of Rabbit Anti-TAF10 antibody. Lane 1: Opal Pre-stained Ladder (p/n MB-210-0500). Lane 2: HeLa WCL (p/n W09-000-364). Lane 3: HeLa nuclear extract (p/n W09-001-367). Lane 4: HEK293 WCL (p/n W09-000-365). Lane 5: PANC-1 WCL (p/n W09-001-GM2). Lane 6: Mouse brain WCL (p/n W10-001-T004). Lane 7: Opal Pre-stained Ladder (p/n MB-210-0500). Load: 35 µg per lane. Primary antibody: TAF10 antibody at 1:1000 for overnight at 4°C. Secondary antibody: rabbit secondary HRP antibody (p/n 611-103-122) at 1:70,000 for 45 min at RT. Block: (p/n MB-070) overnight at 4°C. Predicted/Observed size: 21 kda for TAF10.

## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.