

**TCEA2 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16136c****Specification**

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**TCEA2 Antibody (Center) - Product Information**

|                   |                                                           |
|-------------------|-----------------------------------------------------------|
| Application       | WB,E                                                      |
| Primary Accession | <a href="#">Q15560</a>                                    |
| Other Accession   | <a href="#">NP_003186.1</a> , <a href="#">NP_942016.1</a> |
| Reactivity        | Human                                                     |
| Host              | Rabbit                                                    |
| Clonality         | Polyclonal                                                |
| Isotype           | Rabbit IgG                                                |
| Calculated MW     | 33601                                                     |
| Antigen Region    | 86-115                                                    |

**TCEA2 Antibody (Center) - Additional Information****Gene ID** 6919**Other Names**

Transcription elongation factor A protein 2, Testis-specific S-II, Transcription elongation factor S-II protein 2, Transcription elongation factor TFIIS1, TCEA2

**Target/Specificity**

This TCEA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 86-115 amino acids from the Central region of human TCEA2.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TCEA2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**TCEA2 Antibody (Center) - Protein Information****Name** TCEA2

**Function** Necessary for efficient RNA polymerase II transcription elongation past template-encoded arresting sites. The arresting sites in DNA have the property of trapping a certain fraction of elongating RNA polymerases that pass through, resulting in locked ternary complexes. Cleavage of the nascent transcript by S-II allows the resumption of elongation from the new 3'-terminus.

**Cellular Location**

Nucleus.

**Tissue Location**

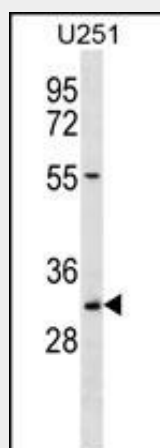
Testis and ovary specific.

### TCEA2 Antibody (Center) - 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](#)

### TCEA2 Antibody (Center) - Images



TCEA2 Antibody (Center) (Cat. #AP16136c) western blot analysis in U251 cell line lysates (35ug/lane). This demonstrates the TCEA2 antibody detected the TCEA2 protein (arrow).

### TCEA2 Antibody (Center) - Background

The protein encoded by this gene is found in the nucleus, where it functions as an SII class transcription elongation factor. Elongation factors in this class are responsible for releasing RNA polymerase II ternary complexes from transcriptional arrest at template-encoded arresting sites. The encoded protein has been shown to interact with general transcription factor IIB, a basal transcription factor. Two transcript variants encoding different isoforms have been found for this gene.

**TCEA2 Antibody (Center) - References**

Kuraoka, I., et al. DNA Repair (Amst.) 6(6):841-851(2007)  
Palangat, M., et al. Proc. Natl. Acad. Sci. U.S.A. 102(42):15036-15041(2005)  
Stelzl, U., et al. Cell 122(6):957-968(2005)  
Nakata, A., et al. Genes Cells 9(11):1125-1135(2004)  
Tamura, K., et al. Biochem. Biophys. Res. Commun. 309(1):189-195(2003)