

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

Specification

TCEA2 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q15560
Other Accession	NP_003186.1 , NP_942016.1
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 TFIISI, 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

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.

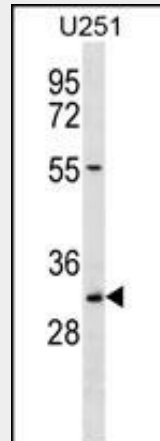
Tissue Location

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)