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Goat Anti-TBPL1 / TLF / TRF2 Antibody
Peptide-affinity purified goat antibody
Catalog # AF2070a

Specification

Goat Anti-TBPL1 / TLF / TRF2 Antibody - Product Information

Application	**WB, E**
Primary Accession	P62380
Other Accession	NP_004856, 9519, 237336 (mouse)
Reactivity	**Human**
Predicted	**Mouse, Rat, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**20887**

Goat Anti-TBPL1 / TLF / TRF2 Antibody - Additional Information

Gene ID 9519

Other Names
TATA box-binding protein-like protein 1, TBP-like protein 1, 21 kDa TBP-like protein, Second TBP of unique DNA protein, STUD, TATA box-binding protein-related factor 2, TBP-related factor 2, TBP-like factor, TBP-related protein, TBPL1, TLF, TLP, TLP21, TRF2, TRP

Dilution
WB~~1:1000
E~~N/A

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-TBPL1 / TLF / TRF2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-TBPL1 / TLF / TRF2 Antibody - Protein Information

Name TBPL1

Synonyms TLF, TLP, TLP21, TRF2, TRP

Function
Part of a specialized transcription system that mediates the transcription of most ribosomal proteins through the 5'-TCT-3' motif which is a core promoter element at these genes. Seems to also mediate the transcription of NF1. Does not bind the TATA box.

Cellular Location
Cytoplasm. Nucleus.

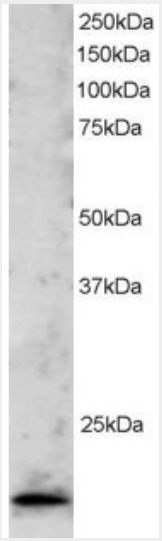
Tissue Location
Ubiquitously expressed, with highest levels in the testis and ovary.

Goat Anti-TBPL1 / TLF / TRF2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-TBPL1 / TLF / TRF2 Antibody - Images



AF2070a staining (2 µg/ml) of Jurkat lysate (RIPA buffer, 30 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Goat Anti-TBPL1 / TLF / TRF2 Antibody - Background

Initiation of transcription by RNA polymerase II requires the activities of more than 70 polypeptides. The protein that coordinates these activities is transcription factor IID (TFIID), which 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

coactivators, function in promoter recognition or modify general transcription factors (GTFs) to facilitate complex assembly and transcription initiation. This gene encodes a protein that serves the same function as TBP and substitutes for TBP at some promoters that are not recognized by TFIID. It is essential for spermiogenesis and believed to be important in expression of developmentally regulated genes.

Goat Anti-TBPL1 / TLF / TRF2 Antibody - References

TATA-binding Protein (TBP)-like Protein Is Engaged in Etoposide-induced Apoptosis through Transcriptional Activation of Human TAp63 Gene. Suenaga Y, et al. J Biol Chem, 2009 Dec 18. PMID 19858204.
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Systematic analysis of the protein interaction network for the human transcription machinery reveals the identity of the 7SK capping enzyme. Jeronimo C, et al. Mol Cell, 2007 Jul 20. PMID 17643375.
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