

TBR1 antibody - middle region

Rabbit Polyclonal Antibody Catalog # Al10019

Specification

TBR1 antibody - middle region - Product Information

Application WB
Primary Accession Q16650

Other Accession

Reactivity

Predicted

O16650, NP 006584, NM 006593

Human, Mouse, Pig, Dog, Bovine

Human, Mouse, Rat, Pig, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 74 kDa KDa

TBR1 antibody - middle region - Additional Information

Gene ID 10716

Alias Symbol MGC141978, TES-56, TBR-1

Other Names

T-box brain protein 1, T-brain-1, TBR-1, TES-56, TBR1

Target/Specificity

This gene is a member of a conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. A similar protein has been disrupted in mice and shown to be critical for early cortical development, and causes loss of projection neurons in the olfactory bulbs and olfactory cortex. The C-terminal region this similar protein was found to be necessary and sufficient for association with the guanylate kinase domain of calcium/calmodulin-dependent serine protein kinase. This gene is a member of a conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. A similar protein has been disrupted in mice and shown to be critical for early cortical development, and causes loss of projection neurons in the olfactory bulbs and olfactory cortex. The C-terminal region this similar protein was found to be necessary and sufficient for association with the guanylate kinase domain of calcium/calmodulin-dependent serine protein kinase.

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-TBR1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions

TBR1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

TBR1 antibody - middle region - Protein Information



Name TBR1

Function

Transcriptional repressor involved in multiple aspects of cortical development, including neuronal migration, laminar and areal identity, and axonal projection (PubMed:25232744, PubMed:30250039). As transcriptional repressor of FEZF2, it blocks the formation of the corticospinal (CS) tract from layer 6 projection neurons, thereby restricting the origin of CS axons specifically to layer 5 neurons (By similarity).

Cellular Location Nucleus

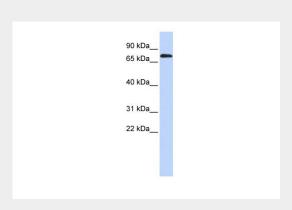
Tissue Location Brain.

TBR1 antibody - middle region - 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

TBR1 antibody - middle region - Images



TBR1 antibody - middle region (Al10019) in Human Brain cells using Western Blot WB Suggested Anti-TBR1 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:62500

Positive Control: Human brain

TBR1 antibody - middle region - Background

This is a rabbit polyclonal antibody against TBR1. It was validated on Western Blot using a cell lysate as a positive control. Abgent strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize





various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).