

TBR1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17795a**Specification**

TBR1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q16650](#)**TBR1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 10716**Other Names**

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TBR1 Antibody (N-term) Blocking Peptide - 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 (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TBR1 Antibody (N-term) Blocking Peptide - Images

TBR1 Antibody (N-term) Blocking Peptide - Background

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 of this similar protein was found to be necessary and sufficient for association with the guanylate kinase domain of calcium/calmodulin-dependent serine protein kinase. [provided by RefSeq].

TBR1 Antibody (N-term) Blocking Peptide - References

Hillier, L.W., et al. Nature 434(7034):724-731(2005) Stefanovska, A.M., et al. Cancer Res. 61(22):8351-8352(2001) Hsueh, Y.P., et al. Nature 404(6775):298-302(2000) Bulfone, A., et al. Neuron 15(1):63-78(1995)