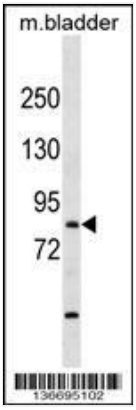
TBR1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TBR1, Polyclonal Antibody
Full Product Name	TBR1, NT (TBR1, T-box brain protein 1, TES-56) (Biotin)
Product Gene Name	anti-TBR1 antibody
Product Synonym Names	TBR1; T-box brain protein 1; TES-56
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	74,053 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (162272620..162281573). Location: 2q24
OMIM	604616
3D Structure	ModBase 3D Structure for Q16650
Immunogen	TBR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 51-80 amino acids from the N-terminal region of human TBR1.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-TBR1 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-TBR1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-TBR1 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-TBR1 antibody	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. [provided by RefSeq].
Product References and Citations for anti-TBR1 antibody	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).

Other Notes	Small volumes of anti-TBR1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TBR1 purchase	MBS6354141 is an antibody targeting TBR1. Also known as TBR1, NT (TBR1, T-box brain protein 1, TES-56) (Biotin). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-TBR1 antibody
TBR1 Antibody (N-term) western blot analysis in mouse bladder tissue lysates (35ug/lane).This demonstrates the TBR1 antibody detected the TBR1 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TBR1. It may not necessarily be applicable to this product.

NCBI GI #	5730081
NCBI GeneID	10716
NCBI Accession #	NP_006584.1
UniProt Primary Accession #	Q16650
UniProt Secondary Accession #	Q14DC5; Q53TH0
UniProt Related Accession #	Q16650; Q56A81
GenBank Nucleotide #	NM_006593.2
NCBI Official Full Name	T-box brain protein 1
NCBI Official Synonym Full Names	T-box, brain, 1
NCBI Official Symbol	TBR1
NCBI Official Synonym Symbols	TBR-1; TES-56; MGC141978
UniProt Protein Name	T-box brain protein 1
UniProt Synonym Protein Names	TES-56
Protein Family	T-box brain protein
UniProt Gene Name	TBR1
UniProt Synonym Gene Names	T-brain-1; TBR-1
UniProt Entry Name	TBR1_HUMAN
NCBI Protein Information	T-box brain protein 1; T-brain-1; OTTHUMP00000204562; OTTHUMP00000204564

NCBI Summary for TBR1	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. [provided by RefSeq]
Research Articles on TBR1	**1.** Observational study of gene-disease association. (HuGE Navigator)
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