

Rabbit anti-Human TBR1 Monoclonal Antibody | anti-TBR1 antibody

TBR1 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282736	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

TBR1; Monoclonal Antibody; TBR1 Rabbit mAb; AUTS5; IDDAS; TBR-1; TES-56; anti-TBR1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MQLEHCLSPS IMLSKKFLNV SSSYPHSGGS ELVLHDHP II STTDNLERSS PLKKITRGMT NQSDTDNFPD SKDSPGDVQR SKLSPVLDGV SELRHSFDGS
Applicable Applications for anti-TBR1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human TBR1 (Q16650).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Mouse brain using TBR1 Rabbit mAb (AAA282736, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



WB (Western Blot)

Western blot analysis of various lysates using TBR1 Rabbit mAb (AAA282736) at 1:500 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

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 numerous developmental processes. In mouse, the ortholog of this gene is expressed in the cerebral cortex, hippocampus, amygdala and olfactory bulb and is thought to play an important role in neuronal migration and axonal projection. In mouse, the C-terminal region of this protein was found to be necessary and sufficient for association with the guanylate kinase domain of calcium/calmodulin-dependent serine protein kinase.
Product Categories/Family for anti-TBR1 antibody	Epigenetics Nuclear Signaling; Transcription Factors; Signal Transduction; Neuroscience; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	5730081
NCBI GeneID	10716
NCBI Accession #	NP_006584
NCBI GenBank Nucleotide #	NM_006593
UniProt Accession #	Q16650; Q14DC5; Q53TH0; Q56A81; B0AZS4; B2R6G5
Molecular Weight	Calculated MW: 74kDa Observed MW: 74kDa
UniProt Protein Name	T-box brain protein 1
UniProt Gene Name	TBR1
UniProt Synonym Gene Names	T-brain-1; TBR-1
UniProt Entry Name	TBR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/tbr1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/282736>