

Rabbit TBR1 Monoclonal Antibody | anti-TBR1 antibody

TBR1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312444	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

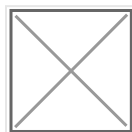
PRODUCT SYNONYMS

TBR1; Monoclonal Antibody; TBR1 Antibody; T box brain 1 antibody; T box brain protein 1 antibody; T brain 1 protein antibody; T-box brain protein 1 antibody; T-brain-1 antibody; TBR 1 antibody; TBR-1 antibody; Tbr1 antibody; TBR1_HUMAN antibody; TES 56 antibody; TES-56 antibody; anti-TBR1 antibody

PRODUCT SPECIFICATIONS

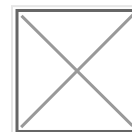
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	JF10-00
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-TBR1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



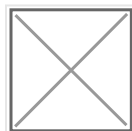
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of SH-SY-5Y cells with TBR1 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-TBR1 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-TBR1 antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-TBR1 antibody	A novel murine and human gene, TBR-1, encodes a putative transcription factor related to the Brachyury (T) gene that is expressed only in postmitotic cells. T-brain-1 (TBR-1) mRNA is largely restricted to the cerebral cortex, where, during embryogenesis, it defines different regions that give rise to the paleocortex, limbic cortex and neocortex. TBR-1, Pax-6 and Emx-1 are expressed in the mouse and chicken pallium. The pallio-subpallial boundary lies at the interface between the TBR-1 and Dlx-2 expression domains. Chicken genes homologous to these mouse genes are expressed in topologically comparable patterns during development, suggesting that mouse and chicken may have similar histogenetic specification processes and field homologies. CASK/LIN-2, a membrane-associated guanylate kinase, is required for EGFR localization and signaling. In adult rat brain, CASK is concentrated at neuronal synapses and binds to the cell-surface proteins. CASK can interact with TBR-1, which is involved in forebrain development. CASK enters into the nucleus and binds to a specific DNA sequence (the T-element) in a complex with TBR-1. Thus, CASK acts as a coactivator of TBR-1 to induce transcription of T-element containing genes, including reelin.
Product Categories/Family for anti-TBR1 antibody	Total protein Ab

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	42,332 Da
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
NCBI Protein Information	T-box brain protein 1; T-brain-1
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-clone-jf10-00-flow-cytometry-immunohistochemistry-western-blot-elisa/312444>