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Datasheet for ABIN7180263
anti-TCF3 antibody (C-Term)

2 Images

Overview

Quantity:	100 µL
Target:	TCF3
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TCF3 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthesized peptide derived from C-terminal of Human TCF3.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	TCF3
Alternative Name:	TCF3 (TCF3 Products)
Background:	Background: Transcriptional regulator. Involved in the initiation of neuronal differentiation.

Target Details

Heterodimers between TCF3 and tissue-specific basic helix-loop-helix (bHLH) proteins play major roles in determining tissue-specific cell fate during embryogenesis, like muscle or early B-cell differentiation. Dimers bind DNA on E-box motifs: 5'-CANNTG-3'. Binds to the kappa-E2 site in the kappa immunoglobulin gene enhancer. Binds to IEB1 and IEB2, which are short DNA sequences in the insulin gene transcription control region.

Kamps M.P., Cell 60:547-555(1990).

Nourse J., Cell 60:535-545(1990).

Grimwood J., Nature 428:529-535(2004).

Aliases: AGM8 antibody, bHLHb21 antibody, Class B basic helix-loop-helix protein 21 antibody, E12 antibody, E2A antibody, E2A immunoglobulin enhancer binding factors E12/E47 antibody, E47 antibody, Helix loop helix protein HE47 antibody, Immunoglobulin enhancer-binding factor E12/E47 antibody, Immunoglobulin transcription factor 1 antibody, ITF1 antibody, Kappa-E2-binding factor antibody, MGC129647 antibody, MGC129648 antibody, Negative vitamin D response element binding protein antibody, NOL1-TCF3 fusion antibody, TCF-3 antibody, Tcf3 antibody, TFE2_HUMAN antibody, transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47) antibody, Transcription factor 3 antibody, transcription factor 3 variant 3 antibody, Transcription factor E2-alpha antibody, Transcription factor ITF-1 antibody, VDIR antibody, VDR interacting repressor antibody, vitamin D receptor-interacting repressor antibody

UniProt: [P15923](#)

Pathways: [WNT Signaling](#), [Stem Cell Maintenance](#), [Regulation of Muscle Cell Differentiation](#), [Production of Molecular Mediator of Immune Response](#)

Application Details

Application Notes: WB:1:500-1:3000, IHC:1:50-1:100,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

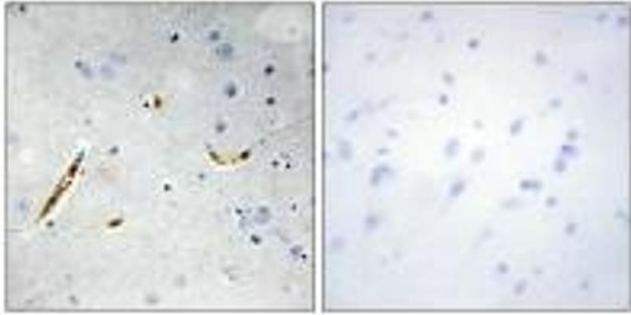
Handling

should be handled by trained staff only.

Storage: -20 °C,-80 °C

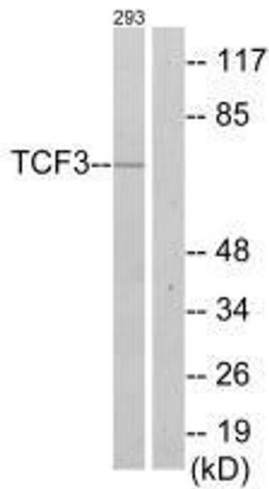
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemistry analysis of paraffin-embedded human brain tissue using TCF3 antibody.



Western Blotting

Image 2. Western blot analysis of extracts from 293 cells, using TCF3 antibody.