TCF3 Antibody

Catalog No: #33685

SAB®
Signalway Antibody

Package Size: #33685-1 50ul #33685-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com
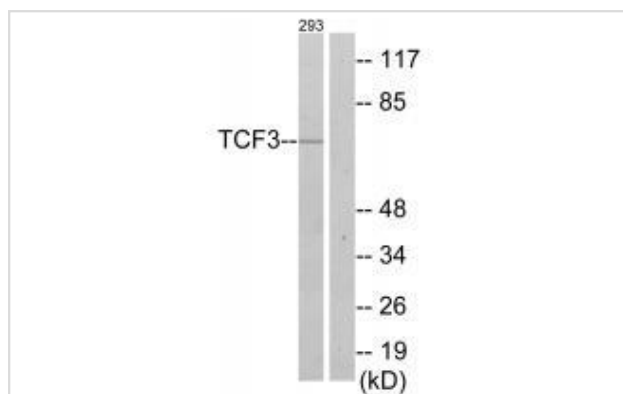
Description

Product Name	TCF3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total TCF3 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from C-terminal of human TCF3.
Target Name	TCF3
Other Names	E12; ITF1; Immunoglobulin enhancer binding factor E12/E47; Immunoglobulin transcription factor-1; Kappa-E2-binding factor
Accession No.	Swiss-Prot: P15923NCBI Gene ID: 6929
Uniprot	P15923
GeneID	6929;
SDS-PAGE MW	68kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details
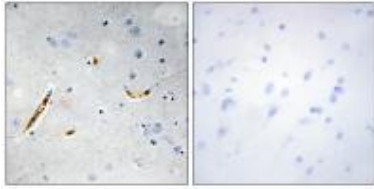
Western blotting: 1:500~1:3000

Immunohistochemistry: 1:50~1:100

Images

Western blot analysis of extracts from 293 cells, using TCF3 antibody #33685.

Immunohistochemistry analysis of paraffin-embedded human brain tissue using TCF3 antibody #33685.

Background

Transcriptional regulator. Involved in the initiation of neuronal differentiation. 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).

Note: This product is for in vitro research use only