Product Datasheet

TCF3 Antibody

Catalog No: #25057

Orders: order@signalwayantibody.com
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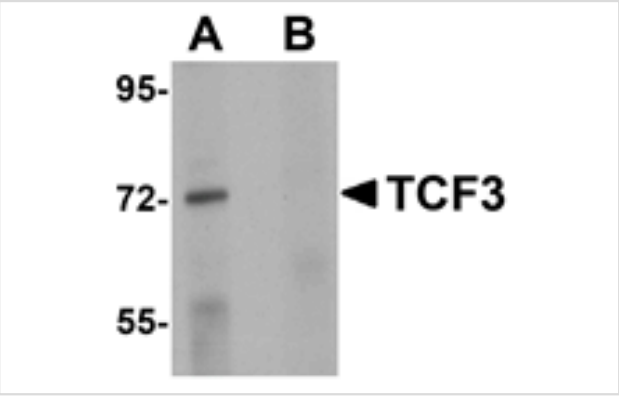
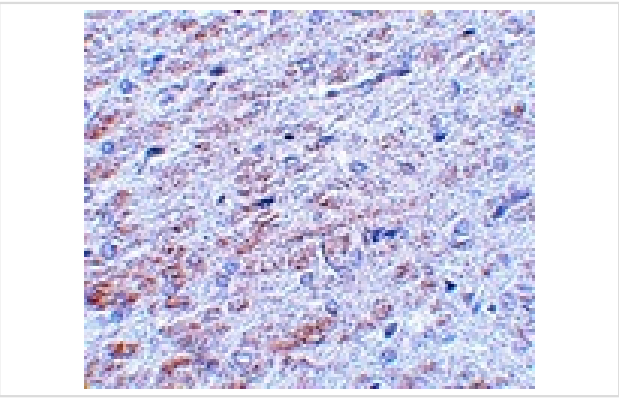
Description

Product Name	TCF3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide near the amino terminus of human TCF3.
Target Name	TCF3
Other Names	Immunoglobulin transcription factor 1, transcription factor 3, E12, E2A, ITF1, E47
Accession No.	Swiss-Prot:P15923Gene ID:6929
Uniprot	P15923
GeneID	6929;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of TCF3 in Human brain tissue lysate with TCF3 antibody at 1 ug/mL in (A) the absence and (B) presence of peptide blocking.



Immunohistochemistry of TCF3 in rat liver tissue with TCF3 antibody at 5 ug/mL.

Background

The TCF3 gene, also called E2A, encodes two basic helix-loop-helix (bHLH) transcription factors, E12 and E47, through alternative splicing. These transcription factors are involved in mediating canonical Wnt signaling, which is very important in a diverse array of cellular functions such as stem cell proliferation, self-renewal, activation, fate determination, differentiation and aging and senescence. They bind beta-catenin and can act as transcriptional activators or repressors for Wnt target genes, and have been shown to regulate specific target genes during CNS development downstream of Wnt signaling. TCF3/Lef complexes are also known to play key roles in controlling cell fate lineages in multipotent skin stem cells.

Note: This product is for in vitro research use only