

TCF4 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2797a

Specification

TCF4 Antibody (internal region) - Product Information

Application	WB
Primary Accession	P15884
Other Accession	NP_001077431.1 , NP_003190.1 , 6925
Reactivity	Human
Predicted	Mouse, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	71308

TCF4 Antibody (internal region) - Additional Information

Gene ID 6925

Other Names

Transcription factor 4, TCF-4, Class B basic helix-loop-helix protein 19, bHLHb19, Immunoglobulin transcription factor 2, ITF-2, SL3-3 enhancer factor 2, SEF-2, TCF4, BHLHB19, ITF2, SEF2

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

TCF4 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

TCF4 Antibody (internal region) - Protein Information

Name TCF4

Synonyms BHLHB19, ITF2, SEF2

Function

Transcription factor that binds to the immunoglobulin enhancer Mu-E5/KE5-motif. Involved in the initiation of neuronal differentiation. Activates transcription by binding to the E box (5'-CANNTG-3'). Binds to the E-box present in the somatostatin receptor 2 initiator element (SSTR2-INR) to activate transcription (By similarity). Preferentially binds to either 5'-ACANNTGT-3'

or 5'- CCANNTGG-3'.

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00981, ECO:0000269|PubMed:22777675}

Tissue Location

Expressed in adult heart, brain, placenta, skeletal muscle and to a lesser extent in the lung. In developing embryonic tissues, expression mostly occurs in the brain

TCF4 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TCF4 Antibody (internal region) - Images



AF2797a (0.5 µg/ml) staining of Human Heart lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

TCF4 Antibody (internal region) - Background

This antibody is expected to recognise the reported isoforms a and b (NP_001077431.1; NP_003190.1)

TCF4 Antibody (internal region) - References

Tcf3 governs stem cell features and represses cell fate determination in skin. Nguyen H, Rendl M, Fuchs E. Cell. 2006 Oct 6;127(1):171-83. PMID: 17018284