

TCF4 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP5756a**Specification**

TCF4 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [P15884](#)
Other Accession [NP_003190.1](#)

TCF4 Antibody (N-term) Blocking peptide - 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

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TCF4 Antibody (N-term) Blocking peptide - 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 (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

TCF4 Antibody (N-term) Blocking peptide - Images

TCF4 Antibody (N-term) Blocking peptide - Background

TCF4 is transcription factor 4, a basic helix-turn-helix transcription factor. The encoded protein recognizes an E box ('E-box') binding site ('CANNTG') - a motif first identified in immunoglobulin enhancers. This gene is expressed predominantly in pre-B-cells, although it is found in other tissues as well. Defects in this gene are a cause of Pitt-Hopkins syndrome.

TCF4 Antibody (N-term) Blocking peptide - References

Rosenfeld, J.A., et al. Genet. Med. 11(11):797-805(2009) Herbst, A., et al. Biochem. Biophys. Res. Commun. 387(4):736-740(2009) Rena, V., et al. Placenta 30(10):876-883(2009) Henthorn, P., et al. Science 247(4941):467-470(1990)