

# **TCF4** Antibody

Rabbit mAb Catalog # AP92512

### **Product Information**

**Application** WB, IHC, FC, IP

Primary Accession
Reactivity
Human
Clonality
Monoclonal

Other Names E2-2; ITF2; PTHS; SEF2; ITF-2; SEF-2; TCF-4; SEF2-1; SEF2-1A; SEF2-1B;

bHLHb19;

IsotypeRabbit IgGHostRabbitCalculated MW71308

#### **Additional Information**

**Dilution** WB 1:500~1:2000 IHC 1:50~1:200 FC 1:80 ChIP

**Purification** Affinity-chromatography

**Immunogen** A synthesized peptide derived from human TCF4

**Description** Transcription factor that binds to the immunoglobulin enchancer

Mu-E5/KE5-motif. 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'.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium

azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term.

Avoid freeze / thaw cycle.

#### **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'.

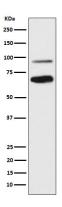
Cellular Location Nucleus {ECO:0000255 | PROSITE-ProRule:PRU00981,

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

## **Images**



Western blot analysis of TCF4 expression in SH-SY5Y cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.