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TCF4 Recombinant Rabbit mAb

Catalog # AP99557

Product Information

Application	WB, IHC-P, IHC-F, IF, IP, CHIP
Primary Accession	P15884
Other Accession	P15884
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Recombinant
Calculated MW	71308
Physical State	Liquid
Immunogen	A synthesized peptide derived from human TCF4
Epitope Specificity	300-600/667
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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'.

Additional Information

Gene ID	6925
Other Names	ITF2_HUMAN; TCF4; TCF-4; Class B basic helix-loop-helix protein 19 (bHLHb19); Immunoglobulin transcription factor 2 (ITF-2); SL3-3 enhancer factor 2 (SEF-2); BHLHB19; ITF2; SEF2; CDG2T; E2-2; FCD2; FECD3; ITF-2; PTHS; SEF-2; SEF2-1; SEF2-1A; SEF2-1B; SEF2-1D; transcription factor 4; SL3-3 enhancer factor 2; class B basic helix-loop-helix protein 19; immunoglobulin transcription factor 2
Dilution	WB=1:500-2000,IHC-P=1:50-200,IHC-F=1:50-200,IP=1:20-50,ChIP=1:20-50,Flow-Cyt=1:50-100,IF=1:50-200
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

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