SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Recombinant Rabbit Anti-TCF4 Monoclonal Antibody

Catalog Number: SLA2269M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	3C12
GeneID:	6925
SWISS:	P15884
Target:	TCF4
Immunogen:	A synthesized peptide derived from human TCF4
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) IHC-P (1:50-200) IHC-F (1:50-200) IF (1:50-200) Flow-Cyt (1:50-100) IP (1:20-50) ChIP (1:20-50) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human,Mouse,Rat
Predicted MW.:	71 kDa
Subcellular Location:	N/A
Background:	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'.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

SunLong Biotech Co.,LTD

Tel: 0086-571-56623320 Fax:0086-571-56623318

E-mail:sales@sunlongbiotech.com

www.sunlongbiotech.com

[VALIDATION IMAGES]

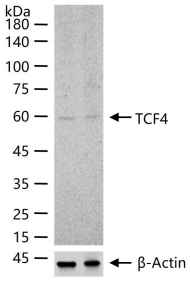


Figure 1. 25 ug total protein per lane of various lysates (see on figure) probed with TCF4 monoclonal antibody, unconjugated (SLA2269M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min

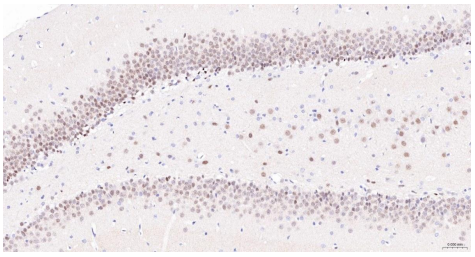


Figure 2. Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with TCF4 Monoclonal Antibody, Unconjugated (SLA2269M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining

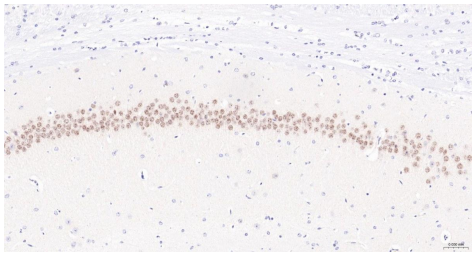


Figure 3. Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with TCF4 Monoclonal Antibody, Unconjugated (SLA2269M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining

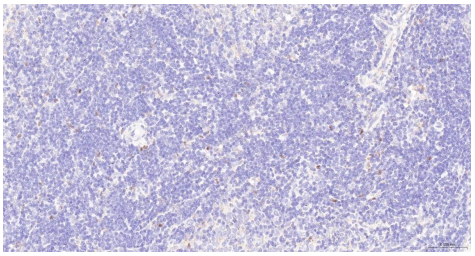


Figure 4. Paraformaldehyde-fixed, paraffin embedded Rat Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with TCF4 Monoclonal Antibody, Unconjugated (SLA2269M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining

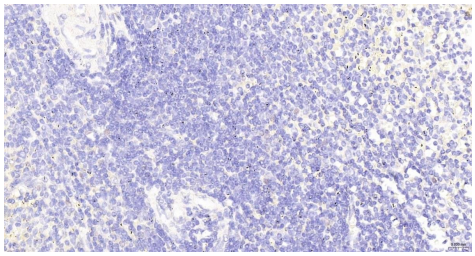


Figure 5. Paraformaldehyde-fixed, paraffin embedded Human Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with TCF4 Monoclonal Antibody, Unconjugated (SLA2269M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining

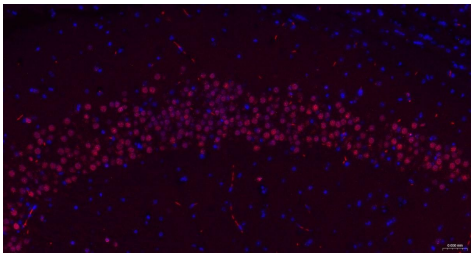


Figure 6. Paraformaldehyde-fixed, paraffin embedded Mouse brain; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with TCF4 Monoclonal Antibody, Unconjugated (SLA2269M) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Ratbbit IgG antibody (red, SL0295G-BF594), DAPI (blue, C02-04002) was used to stain the cell nuclei

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

SunLong Biotech Co.,LTD

Tel: 0086-571-56623320 Fax:0086-571-56623318

E-mail:sales@sunlongbiotech.com

www.sunlongbiotech.com

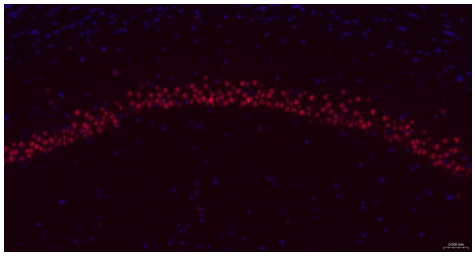


Figure 7. Paraformaldehyde-fixed, paraffin embedded Rat brain; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with TCF4 Monoclonal Antibody, Unconjugated (SLA2269M) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Ratbbit IgG antibody (red, SL0295G-BF594), DAPI (blue, C02-04002) was used to stain the cell nuclei

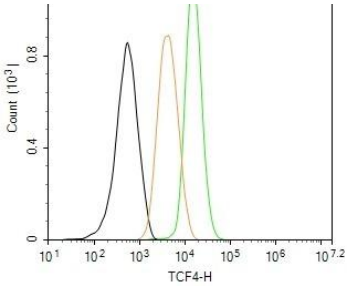


Figure 8. The U-87MG (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C,the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green):Rabbit Anti-TCF4 antibody (SLA2269M,1:100); Isotype Control (orange): Rabbit IgG (SL0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed
FOR RESEARCH USE ONLY. Not for use in diagnostic or therapeutic procedures.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.