



Rabbit Anti-TEF4 antibody

SL8212R

Product Name:	TEF4
Chinese Name:	转录增强因子TEF4抗体
Alias:	Embryonic TEA domain containing factor; Etdf; ETEF 1; ETF; TEA domain family member 2; TEAD 2; TEAD-2; TEAD2; Tead2 protein (TEA domain family member 2 (Mapped), isoform CRA_b); TEAD2_HUMAN; TEF 4; TEF4; Transcriptional enhancer factor 4; Transcriptional enhancer factor TEF 4; Transcriptional enhancer factor TEF-4.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	49kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TEA domain family member 2:235-340/447
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	TEF-4 is strongly coexpressed with TEF-1 in mouse mitotic neuroblasts and is also detected in the gut and the nephrogenic region of the kidney. TEF-4 associates with the powerful transcriptional coactivator YAP65 to mediate mitogenic signals. In addition,

TEF-4 promotes the activation of the CTP:phosphocholine cytidyltransferase (CCT) alpha protein, which is the rate-limiting enzyme of phosphatidylcholine biosynthesis, by enhancing the transcriptional activity of Ets-1.

Function:

Transcription factor which plays a key role in the Hippo signaling pathway, a pathway involved in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein MST1/MST2, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. Acts by mediating gene expression of YAP1 and WWTR1/TAZ, thereby regulating cell proliferation, migration and epithelial mesenchymal transition (EMT) induction. Binds to the SPH and GT-IIC 'enhansons' (5'-GTGGAATGT-3'). May be involved in the gene regulation of neural development. Binds to the M-CAT motif.

Subunit:

Interacts with YAP1 and WWTR1/TAZ.

Subcellular Location:

Nucleus.

Similarity:

Contains 1 TEA DNA-binding domain.

SWISS:

Q15562

Gene ID:

8463

Database links:

[Entrez Gene: 8463](#) Human

[Entrez Gene: 21677](#) Mouse

[Entrez Gene: 308582](#) Rat

[Omim: 601729](#) Human

[SwissProt: Q15562](#) Human

[SwissProt: P48301](#) Mouse

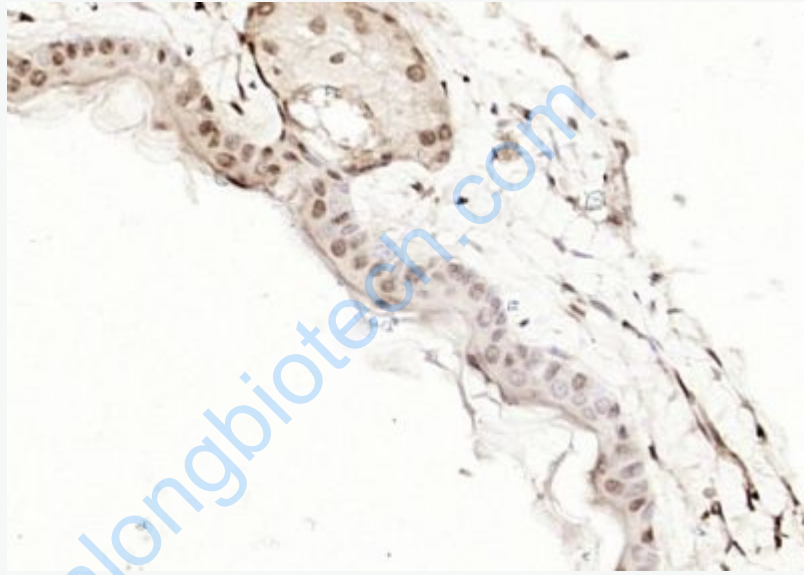
[Unigene: 515534](#) Human

[Unigene: 3019](#) Mouse

[Unigene: 130442](#) Rat

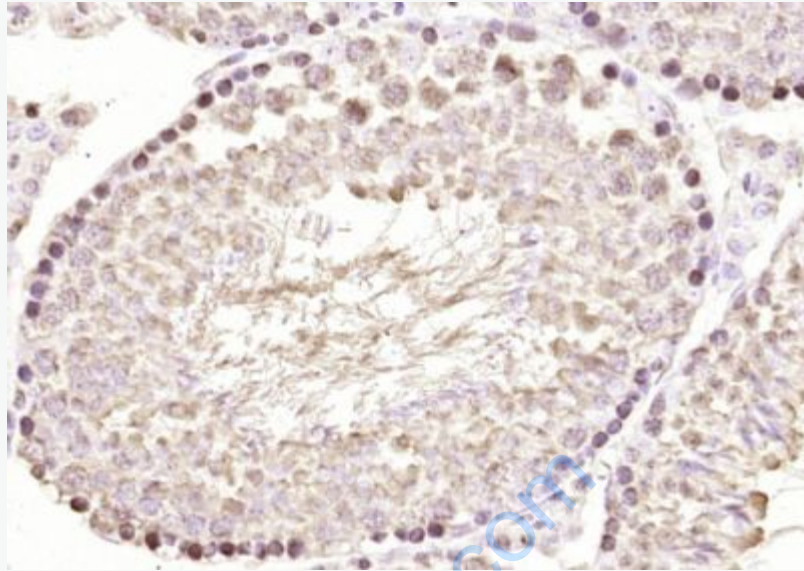
Important Note:

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



Picture:

Paraformaldehyde-fixed, paraffin embedded (mouse skin); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TEF4) Polyclonal Antibody, Unconjugated (SL8212R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TEF4) Polyclonal Antibody, Unconjugated (SL8212R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.