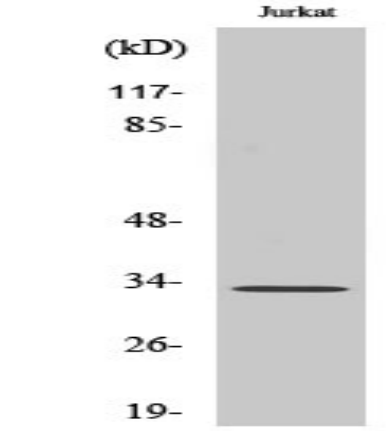
Best Tools for immunology Research

TEF Polyclonal Antibody

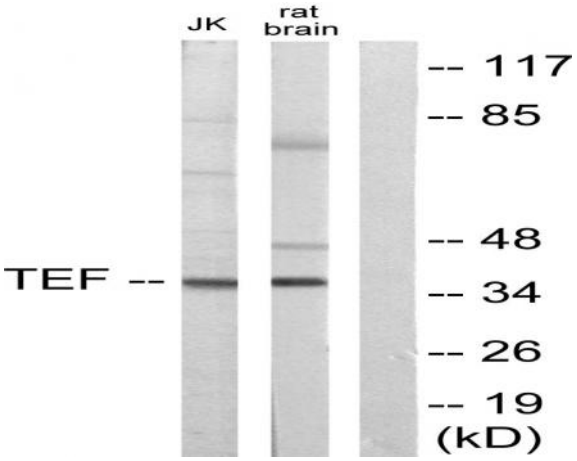
Catalog No :	YT4595
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	TEF
Gene Name :	TEF
Protein Name :	Thyrotroph embryonic factor
Human Gene Id :	7008
Human Swiss Prot No :	Q10587
Mouse Gene Id :	21685
Mouse Swiss Prot No :	Q9JLC6
Rat Gene Id :	29362
Rat Swiss Prot No :	P41224
Immunogen :	The antiserum was produced against synthesized peptide derived from human TEF. AA range:211-260
Specificity :	TEF Polyclonal Antibody detects endogenous levels of TEF protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	45-55kD
Background :	TEF, PAR bZIP transcription factor(TEF) Homo sapiens This gene encodes a member of the PAR (proline and acidic amino acid-rich) subfamily of basic region/leucine zipper (bZIP) transcription factors. It is expressed in a broad range of cells and tissues in adult animals, however, during embryonic development, TEF expression appears to be restricted to the developing anterior pituitary gland, coincident with the appearance of thyroid-stimulating hormone, beta (TSHB). Indeed, TEF can bind to, and transactivate the TSHB promoter. It shows homology (in the functional domains) with other members of the PAR-bZIP subfamily of transcription factors, which include albumin D box-binding protein (DBP), human hepatic leukemia factor (HLF) and chicken vitellogenin gene-binding protein (VBP); VBP is considered the chicken homologue of TEF. Different members of the subfamily can readily form heterodimers, and share DNA-binding, and transcriptional regulatory
Function :	function:Transcription factor that binds to and transactivates the TSHB promoter. Binds to a minimal DNA-binding sequence 5'-[TC][AG][AG]TTA[TC][AG]-3'.,induction:Accumulates according to a robust circadian rhythm.,similarity:Belongs to the bZIP family.,similarity:Belongs to the bZIP family. PAR subfamily.,similarity:Contains 1 bZIP domain.,subunit:Binds DNA as a homodimer or a heterodimer. Can form a heterodimer with DBP.,
Subcellular Location :	Nucleus.
Expression :	Brain,Kidney,Retina,
Sort :	17025
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

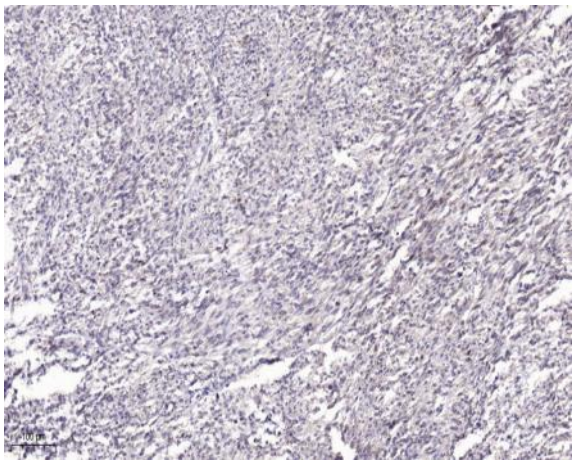
Products Images



Western Blot analysis of various cells using TEF Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Western blot analysis of lysates from Jurkat and rat brain cells, using TEF Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Small intestinal stromal tumor. 1, Tris-EDTA,pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200(4° overnight.3,Secondary antibody was diluted at 1:200(room temperature, 45min).