antibodies - online.com







anti-TFE3 antibody (AA 489-516)

Images



\sim	
()\/\	rview
\cup	

Background:

OVEIVIEW	
Quantity:	0.4 mL
Target:	TFE3
Binding Specificity:	AA 489-516
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TFE3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA
Product Details	
Immunogen:	A portion of amino acids 489-516 from the human protein was used as the immunogen for this
	TFE3 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Bovine
Purification:	Antigen affinity purified
Target Details	
Target:	TFE3
Alternative Name:	TFE3 (TFE3 Products)

The microphthalmia transcription factor/transcription factor E (MITF-TFE) family of basic helix-

loop-helix leucine zipper (bHLH-Zip) transcription factors includes four family members: MITF, TFE3, TFEB and TFEC. The TEF3 protein encoded by this gene activates transcription through binding to the muE3 motif of the immunoglobulin heavy-chain enhancer. The TFEC protein forms heterodimers with the TEF3 protein and inhibits TFE3-dependent transcription activation. The TEF3 protein interacts with transcription regulators such as E2F3, SMAD3, and LEF-1, and is involved in TGF-beta-induced transcription, playing important roles in cell growth, proliferation, and osteoclast and macrophage differentiation. The TFE3 protein also activates hepatic IRS-2 gene, and induces hexokinase II (HK2) and insulin-induced gene 1 (INSIG1), it participates in insulin signaling and could be a therapeutic target for diabetes. This gene is also involved in chromosomal translocations, resulting in different fusion gene products in papillary renal cell carcinomas and alveolar soft part sarcomas, such as PRCC-TFE3, RCC17-TFE3, PSF-TFE3, NonO (p54nrb)-TFE3 and ASPL-TFE3.

Titration of the TFE3 antibody may be required due to differences in protocols and

UniProt:

P19532

Application Details

Application Notes:

Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the TFE3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

secondary/substrate sensitivity.\. Western blot: 1:1000



Western Blotting

Image 1. TFE3 antibody western blot analysis in mouse kidney tissue lysate.

Western Blotting

Image 2. TFE3 antibody western blot analysis in mouse kidney tissue lysate.