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TPIT Rabbit pAb

Catalog # AP96524

Product Information

Application	WB
Primary Accession	O60806
Other Accession	O60806
Reactivity	Human
Predicted	Pig, Chimpanzee, Mouse, Rabbit, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48238
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TPIT
Epitope Specificity	251-350/448
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 T-box DNA-binding domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene is a member of a phylogenetically conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. Mutations in this gene were found in patients with isolated deficiency of pituitary POMC-derived ACTH, suggesting an essential role for this gene in differentiation of the pituitary POMC lineage. ACTH deficiency is characterized by adrenal insufficiency symptoms such as weight loss, lack of appetite (anorexia), weakness, nausea, vomiting, and low blood pressure. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	9095
Other Names	CH-TBXT; TBXT; TPIT; TBS19; dJ747L4.1; D1Ertd754e; TBX19_HUMAN; TBX19; T-box protein 19; T-box factor, pituitary; TBX19_MOUSE; T-box transcription factor 19; T-box 19; TBS 19
Dilution	WB=1:500-2000
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	TBX19 (HGNC:11596)
Synonyms	TPIT
Function	Transcriptional regulator involved in developmental processes. Can activate POMC gene expression and repress the alpha glycoprotein subunit and thyroid-stimulating hormone beta promoters.
Cellular Location	Nucleus {ECO:0000255|PROSITE-ProRule:PRU00201}.

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