

产品名称: TBX1 Rabbit Polyclonal Antibody
产品货号: APRab18698



产品概述 (Summary)

产品名称 (Production Name)	TBX1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	TBX1
别名 (Alternative Names)	TBX1; T-box transcription factor TBX1; T-box protein 1; Testis-specific T-box protein
基因 ID (Gene ID)	6899.0
蛋白 ID (SwissProt ID)	O43435.The antiserum was produced against synthesized peptide derived from human TBX1. AA range:311-360

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	43kDa

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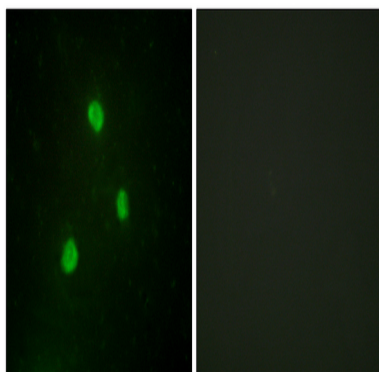
研究背景 (Background)

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. This gene product shares 98% amino acid sequence identity with the mouse ortholog. DiGeorge syndrome (DGS)/velocardiofacial syndrome (VCFS), a common congenital disorder characterized by neural-crest-related developmental defects, has been associated with deletions of chromosome 22q11.2, where this gene has been mapped. Studies using mouse models of DiGeorge syndrome suggest a major role for this gene in the molecular etiology of DGS/VCFS. Several alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008],disease:Defects in TBX1 are a cause of conotruncal heart malformations (CTHM) [MIM:217095]. CTHM consist of cardiac outflow tract defects, such as tetralogy of Fallot, pulmonary atresia, double-outlet right ventricle, truncus arteriosus communis, and aortic arch anomalies.,disease:Defects in TBX1 are a cause of DiGeorge syndrome (DGS) [MIM:188400],disease:Defects in TBX1 are a cause of velocardiofacial syndrome (VCFS) [MIM:192430],disease:Haploinsufficiency of the TBX1 gene is responsible for most of the physical malformations present in DiGeorge syndrome (DGS) and velocardiofacial syndrome (VCFS) [MIM:188400, 192430]. DGS is characterized by the association of several malformations: hypoplastic thymus and parathyroid glands, congenital conotruncal cardiopathy, and a subtle but characteristic facial dysmorphology. VCFS is marked by the association of congenital conotruncal heart defects, cleft palate or velar insufficiency, facial dysmorphology and learning difficulties. It is now accepted that these two syndromes represent two forms of clinical expression of the same entity manifesting at different stages of life.,function:Probable transcriptional regulator involved in developmental processes. Is required for normal development of the pharyngeal arch arteries.,similarity:Contains 1 T-box DNA-binding domain.,

研究领域 (Research Area)

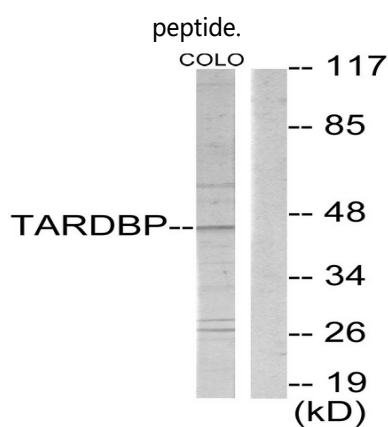
Neuroscience; Neurology process; Neurodegenerative disease; Epigenetics and Nuclear Signaling; Transcription; Domain Families; Developmental Families

图片 (Image Data)

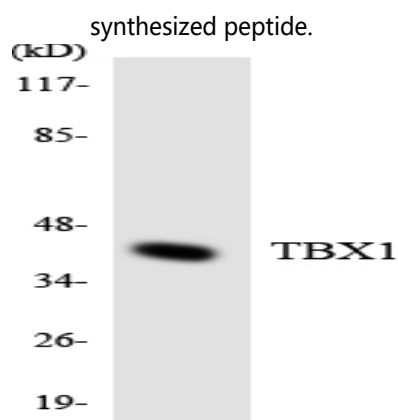


Immunofluorescence analysis of A549 cells, using TBX1 Antibody. The picture on the right is blocked with the synthesized

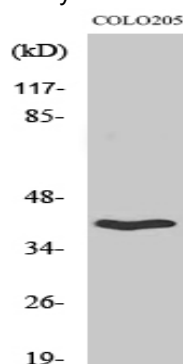
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Western blot analysis of lysates from COLO205 cells, using TBX1 Antibody. The lane on the right is blocked with the



Western blot analysis of the lysates from 293 cells using TBX1 antibody.



Western Blot analysis of various cells using TBX1 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA) .

注意事项 (Note)

For research use only .