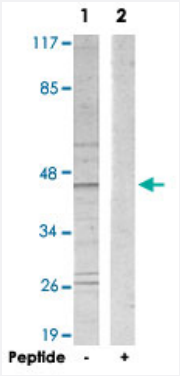
TBX1 polyclonal antibody

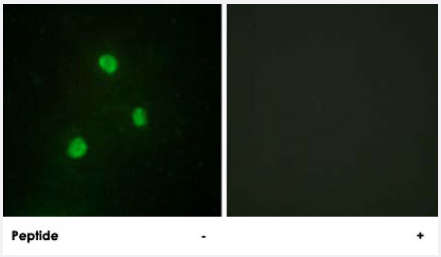
Catalog # PAB17338 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from COLO 205 cells, using TBX1 polyclonal antibody (Cat # PAB17338).
Peptide "+" means "with peptide blocking".



Immunofluorescence

Immunofluorescence analysis of A-549 cells, using TBX1 polyclonal antibody (Cat # PAB17338).
Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of TBX1.
Immunogen	A synthetic peptide corresponding to C-terminus of human TBX1.
Host	Rabbit
Reactivity	Human
Specificity	This antibody detects endogenous levels of total TBX1 protein.
Form	Liquid

Recommend Usage	Western Blot (1:500-1:1000) Immunofluorescence (1:500-1:1000) ELISA (1:20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of extracts from COLO 205 cells, using TBX1 polyclonal antibody (Cat # PAB17338).
  Peptide "+" means "with peptide blocking".

- Immunofluorescence

  Immunofluorescence analysis of A-549 cells, using TBX1 polyclonal antibody (Cat # PAB17338).
  Peptide "+" means "with peptide blocking".

Gene Info — TBX1

Entrez GeneID	6899
Protein Accession#	O43435
Gene Name	TBX1
Gene Alias	CAFS, CTHM, DGCR, DGS, DORV, TBX1C, TGA, VCFS
Gene Description	T-box 1
Omim ID	188400 192430 217095 602054
Gene Ontology	Hyperlink

Gene Summary	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
Other Designations	T-box 1 transcription factor C|Testis-specific T-box protein|brachyury

Publication Reference

- The consensus coding sequences of human breast and colorectal cancers.

  Sjoblom T, Jones S, Wood LD, Parsons DW, Lin J, Barber TD, Mandelker D, Leary RJ, Ptak J, Silliman N, Szabo S, Buckhaults P, Farrell C, Meeh P, Markowitz SD, Willis J, Dawson D, Willson JK, Gazdar AF, Hartigan J, Wu L, Liu C, Parmigiani G, Park BH, Bachman KE, Papadopoulos N, Vogelstein B, Kinzler KW, Velculescu VE.

  Science 2006 Sep; 314(5797):268.

- Role of TBX1 in human del22q11.2 syndrome.

  Yagi H, Furutani Y, Hamada H, Sasaki T, Asakawa S, Minoshima S, Ichida F, Joo K, Kimura M, Imamura S, Kamatani N, Momma K, Takao A, Nakazawa M, Shimizu N, Matsuoka R.

  Lancet 2003 Oct; 362(9393):1366.

- Isolation and characterization of a gene from the DiGeorge chromosomal region homologous to the mouse Tbx1 gene.

  Chieffo C, Garvey N, Gong W, Roe B, Zhang G, Silver L, Emanuel BS, Budarf ML.

  Genomics 1997 Aug; 43(3):267.

Disease

- Abnormalities
- Alagille Syndrome
- Chromosome Deletion
- Cleft Lip
- Cleft Palate

- Down Syndrome
- Ductus Arteriosus
- Genetic Predisposition to Disease
- Heart Defects
- Infant
- Mood Disorders
- Psychotic Disorders
- Schizophrenia
- Syndrome
- Tetralogy of Fallot