



Rabbit Anti-TBX2 antibody

SL0507R

Product Name:	TBX2
Chinese Name:	血栓素B2(一种新发现的抑癌基因)抗体
Alias:	T-box2; T-box Protein 2; T-box transcription factor TBX2; T-box protein 2; FLJ10169; HGNC: 11597; T box 2; T box transcription factor TBX2; TBX2_HUMAN; TBX2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	74kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TBX2:401-500/702
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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 is the human homolog of mouse Tbx2, and shares strong sequence similarity with Drosophila omb protein. Expression studies indicate that this gene may have a potential role in tumorigenesis as an immortalizing agent. Transcript heterogeneity due to alternative

polyadenylation has been noted for this gene.

Function:

Involved in the transcriptional regulation of genes required for mesoderm differentiation. Probably plays a role in limb pattern formation. Acts as a negative regulator of PML function in cellular senescence.

Subunit:

Interacts with PML (isoform-PML-2, isoform PML-3 and isoform PML-4).

Subcellular Location:

Nucleus (Potential).

Tissue Specificity:

Expressed primarily in adult in kidney, lung, and placenta. Weak expression in heart and ovary.

Similarity:

Contains 1 T-box DNA-binding domain.

SWISS:

Q13207

Gene ID:

6909

Database links:

[Entrez Gene: 6909](#)Human

[Entrez Gene: 21385](#)Mouse

[Omim: 600747](#)Human

[SwissProt: Q13207](#)Human

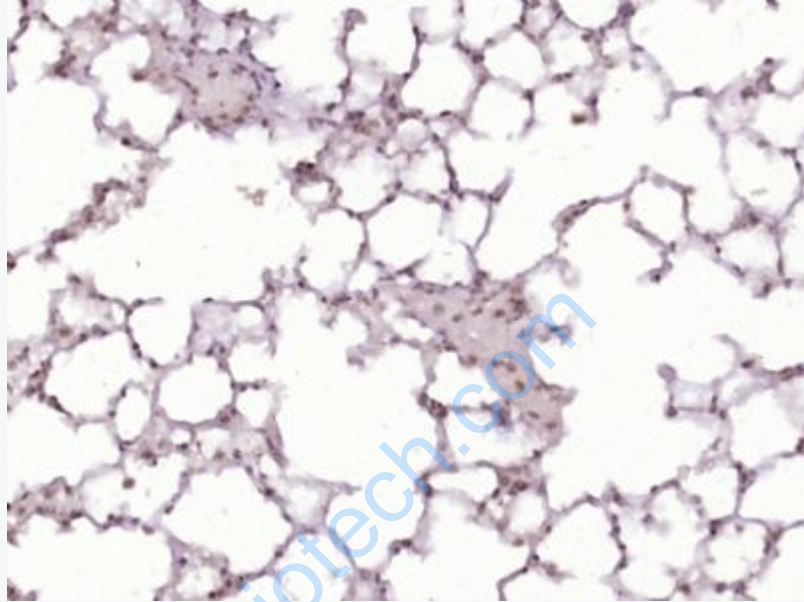
[SwissProt: Q60707](#)Mouse

[Unigene: 531085](#)Human

[Unigene: 287052](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Paraformaldehyde-fixed, paraffin embedded (Mouse lung); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TBX2) Polyclonal Antibody, Unconjugated (SL0507R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.