

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.

Research Area Tumour immunology Chromatin and nuclear signals transcriptional regulatory factor Epigenetics

Immunogen Species Rabbit

Clonality Polyclonal

React Species Mouse (predicted:Human,Rat,Dog,Cow,Rabbit)

Applications IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 74kDa

Cellular localization The nucleus

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human TBX2: 401-500/702

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

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

PubMed [PubMed](#)

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

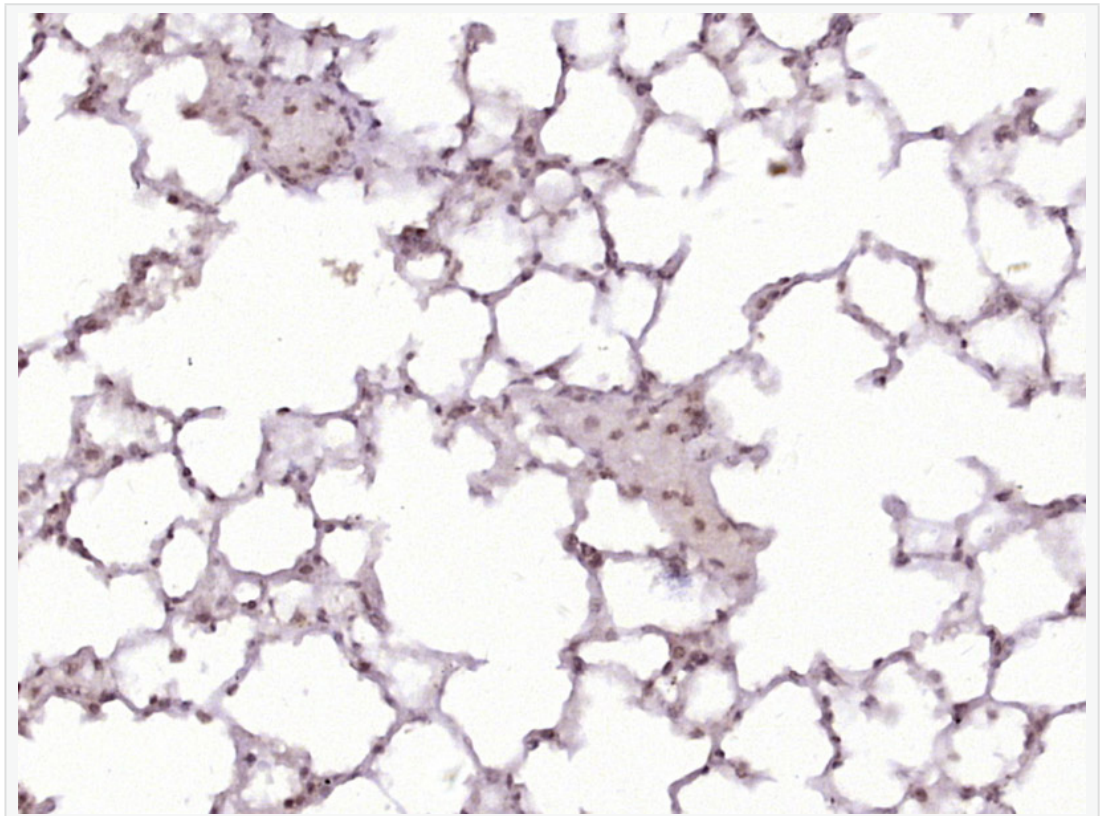
**Product
Detail**

[SwissProt: Q60707](#) Mouse

[Unigene: 531085](#) Human

[Unigene: 287052](#) Mouse

**Product
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



SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.