

Anti-TBX18 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse (predicted:Rat,Dog,Pig,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 65 kDa. Actual: 65-67 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: line1: Mouse embryo lysate at 45 ug; line2: Mouse brain lysate at 45 ug; Primary: Anti-TBX18 (TMAB-13407) at 1: 200 dilution; Secondary: HRP conjugated Goat Anti-Rabbit IgG at 1: 3000 dilution; Predicted band size: 65 kD Observed band size: 67 kD We are unsure as to the identity of these extra bands
	2. Sample: HT29 Cell lysate at 30 µg; Primary: Anti-TBX18 (TMAB-13407) at 1:300 dilution; Secondary: HRP conjugated Goat-Anti-rabbit IgG at 1: 5000 dilution; Predicted band size: 65 kD Observed band size: 65 kD
	3. Paraformaldehyde-fixed, paraffin embedded (mouse embryo); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (TBX18) Polyclonal Antibody, Unconjugated (TMAB-13407) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human TBX18
Antigen Species: Human
Gene ID: 9096
Uniprot ID: O95935

Research Background

T-box transcription factors are a group of phylogenetically conserved genes that contain a uniquely defining DNA-binding domain, the T-box domain. These genes are believed to be involved in the regulation of development processes, for example the development of limbs, and it is known that haploinsufficiency of multiple T-box proteins results in severe human congenital malformation syndromes, involving craniofacial, cardiovascular, and skeletal structures. TBX 18 has been reported to be involved in numerous development processes and to act as an antiapoptotic factor.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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