

## Anti-FOXF2 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Chicken)
Molecular Weight:	Theoretical: 46 kDa. Actual: 46 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	1. Sample: Large intestine (Mouse) Lysate at 40 µg	
	Primary: Anti-FOXF2 (TMAB-06123) at 1/1000 dilution	
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution	
	Predicted band size: 46 kD	
	Observed band size: 46 kD	
	2. Sample: Kidney (Mouse) Lysate at 40 µg	
	Primary: Anti-FOXF2 (TMAB-06123) at 1/1000 dilution	
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution	
	Predicted band size: 46 kD	
	Observed band size: 46 kD	
	3. Sample:	Lane 1: Mouse Liver tissue lysates
		Lane 2: Mouse Lung tissue lysates
	Primary: Anti-FOXF2 (TMAB-06123) at 1/1000 dilution	
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution	
	Predicted band size: 46 kDa	
	Observed band size: 46 kDa	
Application:	WB	
Recommended	WB: 1:500-2000	

### 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 FOXF2
Antigen Species:	Human
Gene ID:	2295
Uniprot ID:	Q12947

### Research Background

The FOX family of transcription factors share a common DNA binding domain termed a winged-helix or forkhead domain. Many FOX proteins play important roles in development, metabolism, cancer and aging. Development of

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the vertebrate gut is controlled by paracrine crosstalk between the endodermal epithelium and the associated splanchnic mesoderm. FOXF2 (forkhead box F2), also known as FKHL or FREAC2, is expressed in lung and placenta, and has been shown to transcriptionally activate several lung-specific genes. FOXF2 interacts with transcription factors TFIIB and TBP, and may be involved in regulating transcription in embryogenesis and pattern formation in multicellular organisms. FOXF2-deficient mice develop cleft palate and an abnormal tongue, which suggests that FOXF2 may be critical for palatogenesis.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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