

## Anti-Defensin beta 1 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 4.1/8 kDa. Actual: 12 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	1. Tissue/cell: rat kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-Defensin β1 Polyclonal Antibody, Unconjugated (TMAB-05063) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
	2. Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-Defensin β1 Polyclonal Antibody, Unconjugated (TMAB-05063) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
	3. Tissue/cell: rat kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-beta Defensin 1 Polyclonal Antibody, Unconjugated (TMAB-05063) 1:400, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
	4. Sample: Lane 1: Mouse trachea tissue lysates Lane 2: Mouse Kidney tissue lysates Lane 3: Rat trachea tissue lysates Lane 4: Rat Kidney tissue lysates Primary: Anti-Defensin beta 1 (TMAB-05063) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 4.1/8 kDa Observed band size: 12 kDa
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.

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### Antigen Details

Immunogen: KLH conjugated synthetic peptide: rat Defensin Beta 1

Antigen Species: Rat

Gene ID: 1672

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### Research Background

Defensins form a family of microbicidal and cytotoxic peptides made by neutrophils. Members of the defensin family are highly similar in protein sequence. This gene encodes defensin, beta 1, an antimicrobial peptide implicated in the resistance of epithelial surfaces to microbial colonization. This gene maps in close proximity to defensin family member, defensin, alpha 1 and has been implicated in the pathogenesis of cystic fibrosis. The mature form of Beta defensin 1 is 36 amino acids.

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

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