

## Anti-WNT4 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Horse)
Molecular Weight:	Theoretical: 37 kDa. Actual: 47 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	<p>1. Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (WNT4) Polyclonal Antibody, Unconjugated (TMAB-14194) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.</p> <p>2. Sample:</p> <p>Lane 1: Kidney (Mouse) Lysate at 40 µg                      Lane 2: MCF-7 (Human) Cell Lysate at 30 µg                      Lane 3: A431 (Human) Cell Lysate at 30 µg                      Lane 4: U2os (Human) Cell Lysate at 30 µg                      Primary: Anti-WNT4 (TMAB-14194) at 1/1000 dilution                      Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution                      Predicted band size: 37 kD                      Observed band size: 47 kD</p> <p>3. Paraformaldehyde-fixed, paraffin embedded (Rat brain); 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 (WNT4) Polyclonal Antibody, Unconjugated (TMAB-14194) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.</p> <p>4. Sample: k562 (human) Cell Lysate at 30 µg                      Primary: Anti-WNT4 (TMAB-14194) at 1/500 dilution                      Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution                      Predicted band size: 37 kD                      Observed band size: 47 kD</p>
	<p>Application:</p> <p>Recommended</p>

### 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 WNT4  
Antigen Species: Human  
Gene ID: 54361  
Uniprot ID: P56705

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### Research Background

Ligand for members of the frizzled family of seven transmembrane receptors. Probable developmental protein. May be a signaling molecule which affects the development of discrete regions of tissues. Is likely to signal over only few cell diameters (By similarity). Overexpression may be associated with abnormal proliferation in human breast tissue.

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

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