

## Anti-Runx3 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse (predicted:Rat,Chicken,Dog,Cow)
Molecular Weight:	Theoretical: 44 kDa. Actual: 44 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	1. Sample: Lymph node (Mouse) Lysate at 30 µg Primary: Anti-Runx3 (TMAB-12431) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 44 kD Observed band size: 44 kD
	2. Sample: A549 Cell Lysate at 30 µg Primary: Anti-Runx3 (TMAB-12431) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution
	Predicted band size: 44 kD Observed band size: 44 kD
	3. Tissue/cell: human cervical 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-Runx3 Polyclonal Antibody, Unconjugated (TMAB-12431) 1:300, overnight at 4° C, followed by conjugation to the secondary antibody 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 Runx3
Antigen Species:	Human
Gene ID:	864
Uniprot ID:	Q13761

## Research Background

This gene encodes a member of the runt domain-containing family of transcription factors. A heterodimer of this protein and a beta subunit forms a complex that binds to the core DNA sequence 5'-PYGPYGGT-3' found in a number

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of enhancers and promoters, and can either activate or suppress transcription. It also interacts with other transcription factors. It functions as a tumor suppressor, and the gene is frequently deleted or transcriptionally silenced in cancer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

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