

## Anti-HP1 gamma Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Rat (predicted:Human,Mouse,Chicken,Dog,Cow,Rabbit)
Molecular Weight:	Theoretical: 21 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	Tissue/cell: rat intestine 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-HP1 gamma Polyclonal Antibody, Unconjugated (TMAB-07269) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
Application:	IHC-P,IHC-Fr,IF
Recommended	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 HP1 gamma
Antigen Species:	Human
Gene ID:	11335
Uniprot ID:	Q13185

## Research Background

HP1 gamma appears to be involved in transcriptional silencing in heterochromatin-like complexes. It recognizes and binds histone H3 tails methylated at 'Lys-9', leading to epigenetic repression. HP1 gamma may contribute to the association of the heterochromatin with the inner nuclear membrane through its interaction with lamin B receptor (LBR) and involved in the formation of functional kinetochore through interaction with MIS12 complex proteins.

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

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