

## 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**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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