10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HP-1γ mouse Monoclonal Antibody(2F5)

Catalog # AP63827

Specification

HP-1γ mouse Monoclonal Antibody(2F5) - Product Information

Application	**WB, IHC-P, IF**
Primary Accession	Q13185
Reactivity	**Human, Mouse, Rat**
Host	**Mouse**
Clonality	**Monoclonal**

HP-1γ mouse Monoclonal Antibody(2F5) - Additional Information

Gene ID 11335

Other Names
Chromobox protein homolog 3 (HECH) (Heterochromatin protein 1 homolog gamma) (HP1 gamma) (Modifier 2 protein)

Dilution
WB~~IF: 1:50-200 WB 1:500-2000,IHC-p 1:50-300
IHC-P~~N/A
IF~~IF: 1:50-200 WB 1:500-2000,IHC-p 1:50-300

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

HP-1γ mouse Monoclonal Antibody(2F5) - Protein Information

Name CBX3

Function
Seems to be involved in transcriptional silencing in heterochromatin-like complexes. Recognizes and binds histone H3 tails methylated at 'Lys-9', leading to epigenetic repression. May contribute to the association of the heterochromatin with the inner nuclear membrane through its interaction with lamin B receptor (LBR). Involved in the formation of functional kinetochore through interaction with MIS12 complex proteins. Contributes to the conversion of local chromatin to a heterochromatin-like repressive state through H3 'Lys-9' trimethylation, mediates the recruitment of the methyltransferases SUV39H1 and/or SUV39H2 by the PER complex to the E-box elements of the circadian target genes such as PER2 itself or PER1. Mediates the recruitment of NIPBL to sites of DNA damage at double-strand breaks (DSBs) (PubMed:28167679).

Cellular Location
Nucleus. Note=Associates with euchromatin and is largely excluded from constitutive

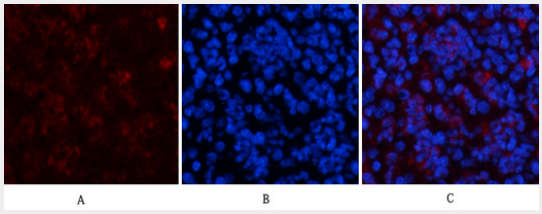
heterochromatin. May be associated with microtubules and mitotic poles during mitosis (Potential).

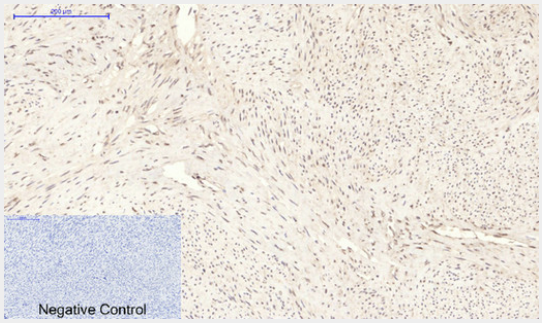
HP-1γ mouse Monoclonal Antibody(2F5) - Protocols

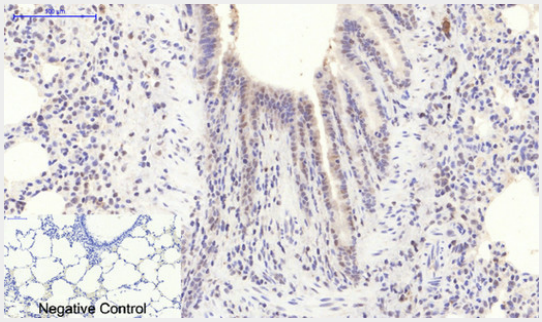
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HP-1γ mouse Monoclonal Antibody(2F5) - Images







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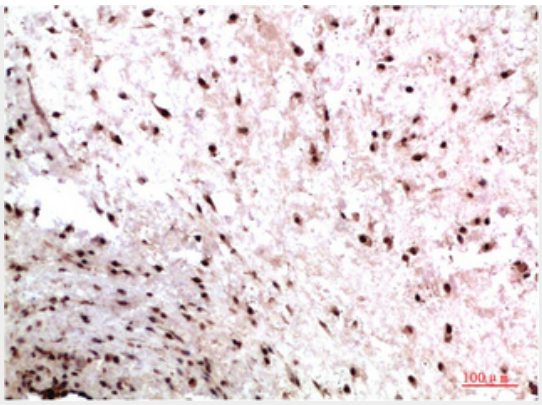

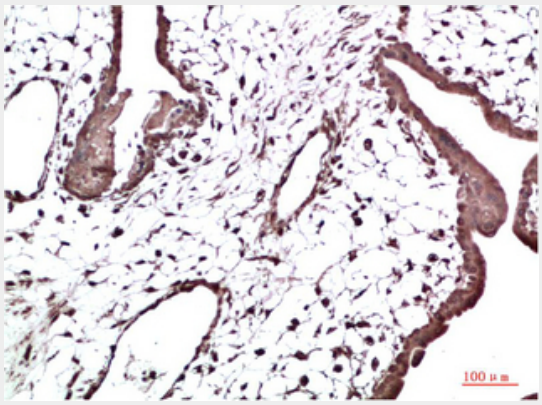

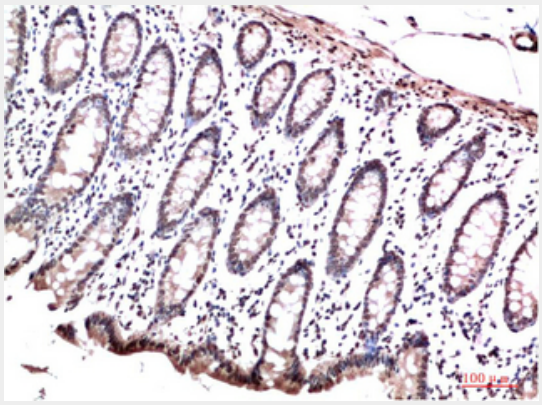

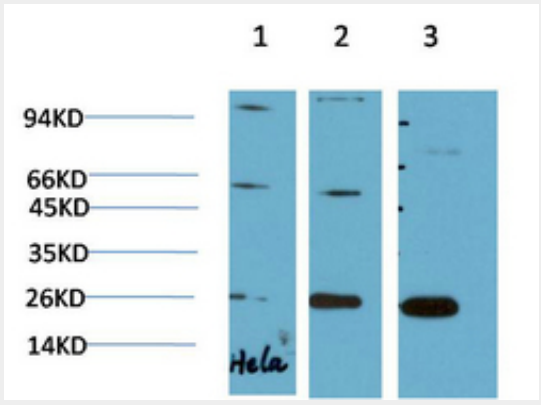

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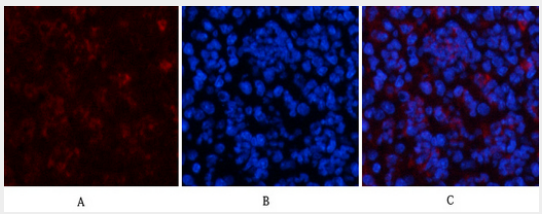

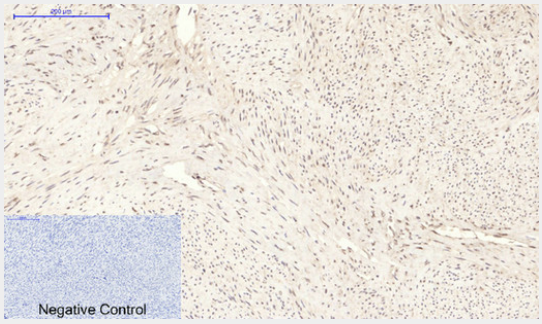

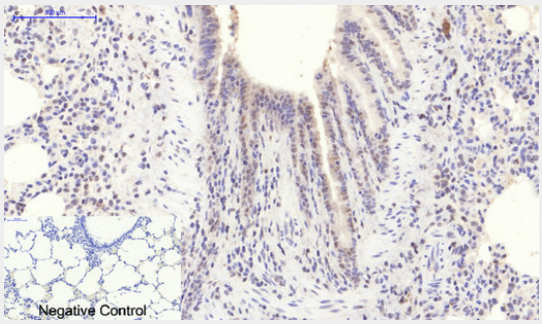

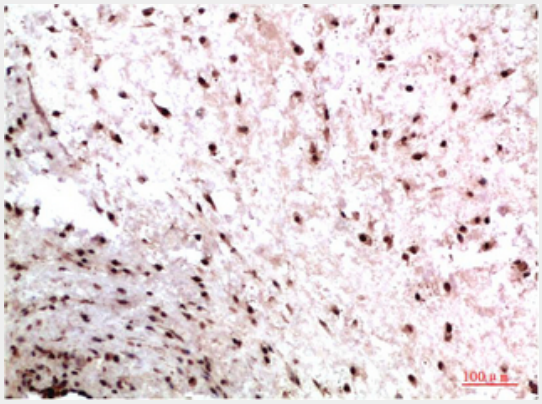

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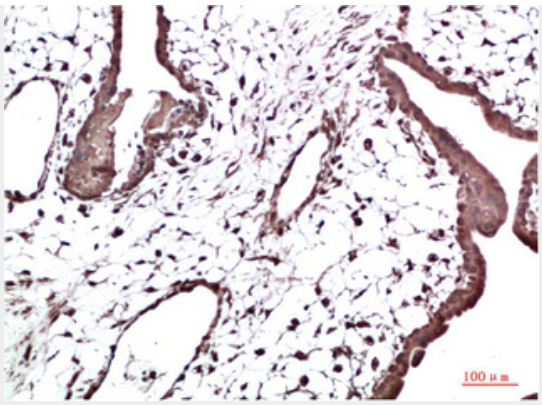

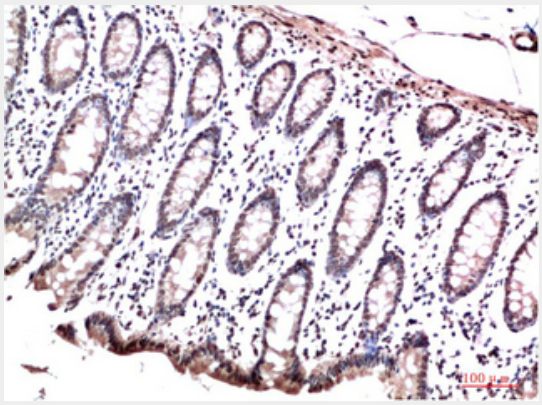

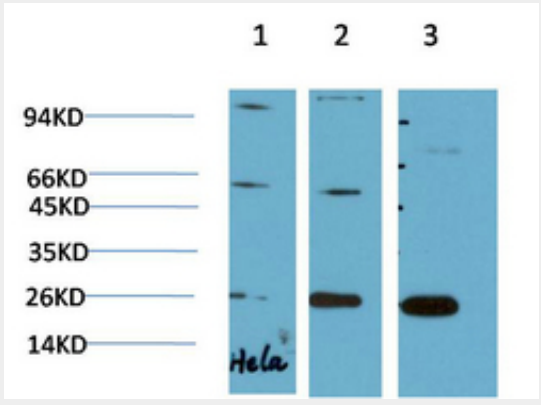

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