

Histone H3K4me2 (Di-methyl Lys4) antibody

Cat. No. GTX121915

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P, IP, ChIP assay
Reactivity	Human

References (5)

Package

100 µl, 25 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:1000-1:10000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IP	1:500-1:1000
ChIP assay	Assay dependent

Not tested in other applications.

Properties

Form	Liquid
Buffer	PBS, 1% BSA, 20% Glycerol
Preservative	0.025% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	0.1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Carrier-protein conjugated synthetic peptide surrounding di-methyl Lys4 of human Histone H3. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated

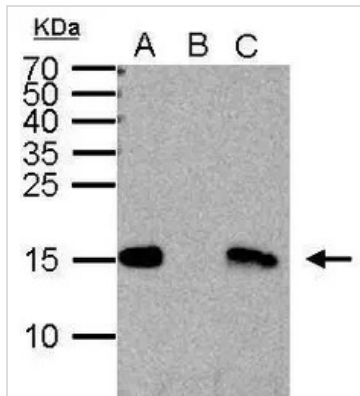
Note

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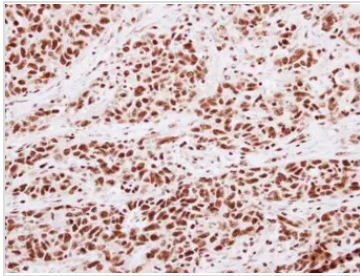
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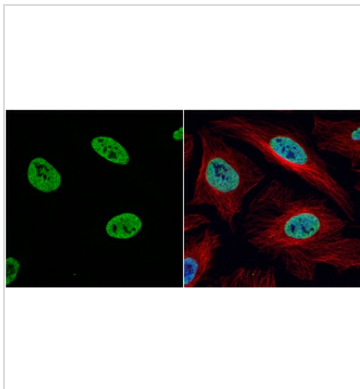
DATA IMAGES

**GTX121915 IP Image**

Histone H3 (di-methyl Lys4) antibody immunoprecipitates Histone H3 (di-methyl Lys4) protein in IP experiments. IP Sample: 1000 µg HeLa whole cell lysate/extract A. 50 µg HeLa whole cell lysate/extract B. Control with 2 µg of preimmune rabbit IgG C. Immunoprecipitation of Histone H3 (di-methyl Lys4) protein by 2 µg of Histone H3 (di-methyl Lys4) antibody (GTX121915) 15% SDS-PAGE The immunoprecipitated Histone H3 (di-methyl Lys4) protein was detected by Histone H3 (di-methyl Lys4) antibody (GTX121915) diluted at 1:1000. EasyBlot anti-rabbit IgG (GTX221666-01) was used as a secondary reagent.

**GTX121915 IHC-P Image**

Immunohistochemical analysis of paraffin-embedded human lung adenocarcinoma, using Histone H3 (di-Methyl K4)(GTX121915) antibody at 1:250 dilution.
Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min

**GTX121915 ICC/IF Image**

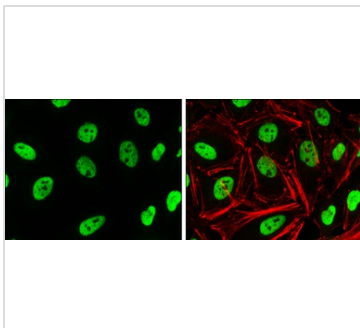
Histone H3K4me2 (dimethyl Lys4) antibody detects Histone H3K4me2 (dimethyl Lys4) protein at nucleus by immunofluorescent analysis.

Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: Histone H3K4me2 (dimethyl Lys4) protein stained by Histone H3K4me2 (dimethyl Lys4) antibody (GTX121915) diluted at 1:1000.

Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [GT114] (GTX628802) diluted at 1:1000.

Blue: Hoechst 33342 staining.

**GTX121915 ICC/IF Image**

Histone H3K4me2 (dimethyl Lys4) antibody detects Histone H3K4me2 (dimethyl Lys4) protein at nucleus by immunofluorescent analysis.

Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: Histone H3K4me2 (dimethyl Lys4) protein stained by Histone H3K4me2 (dimethyl Lys4) antibody (GTX121915) diluted at 1:1000.

Red: phalloidin, a cytoskeleton marker, diluted at 1:50.



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