

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

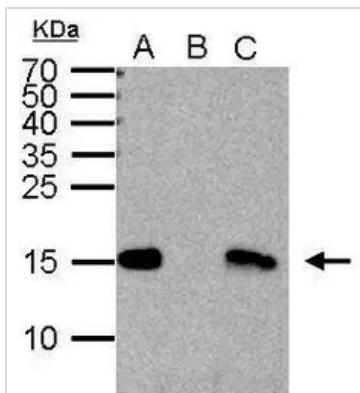
Form	Liquid
Buffer	PBS, 1% BSA, 20% Glycerol
Preservative	0.025% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
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	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.
	Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.



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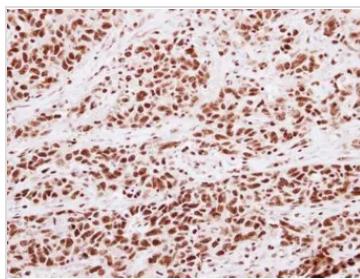
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DATA IMAGES



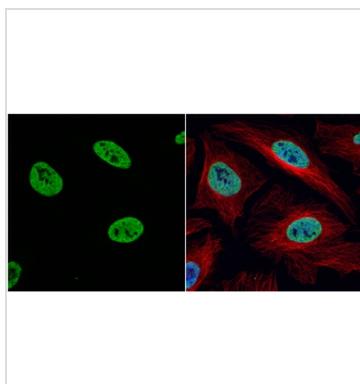
GTX121915 IP Image

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.



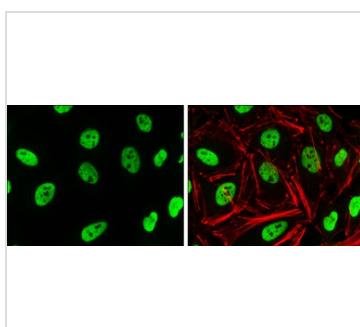
GTX121915 IHC-P Image

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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