SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
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www.sunlongbiotech.com

[Primary Antibody]

Recombinant Rabbit Anti-MACROH2A1 Monoclonal Antibody

Catalog Number: SLA1707M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	4E11
GeneID:	9555
SWISS:	O75367
Target:	MACROH2A1
Immunogen:	A synthesized peptide derived from human Histone mH2A1
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) IHC-P (1:200-500) IHC-F (1:200-500) IF (1:200-500) ICC/IF (1:100-500) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human,Mouse,Rat
Predicted MW.:	40 kDa
Background:	Variant histone H2A which replaces conventional H2A in a subset of nucleosomes where it represses transcription.Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template.

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[VALIDATION IMAGES]

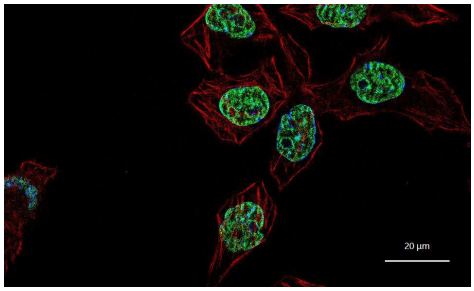


Figure 1. 4% Paraformaldehyde-fixed HeLa (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (macro H2A.1) monoclonal Antibody, unconjugated (SLA1707M) 1:200, 90 min at 37°C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, SL60295G-BF488) at 37°C for 90 min, then stained with Phalloidin/BF555 for 30 min at room temperature; DAPI (blue, C02-04002) was used to stain the cell nuclei.

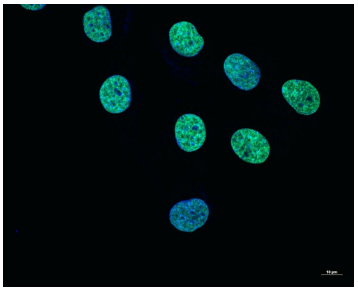


Figure 2. 4% Paraformaldehyde-fixed HeLa (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (macro H2A.1) monoclonal Antibody, unconjugated (SLA1707M) 1:200, 90 min at 37°C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, SL60295G-BF488) at 37°C for 90 min; DAPI (blue, C02-04002) was used to stain the cell nuclei.

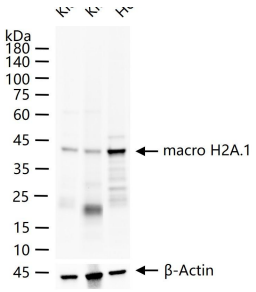


Figure 3. 25 ug total protein per lane of various lysates (see on figure) probed with macro H2A.1 monoclonal antibody, unconjugated (SLA1707M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

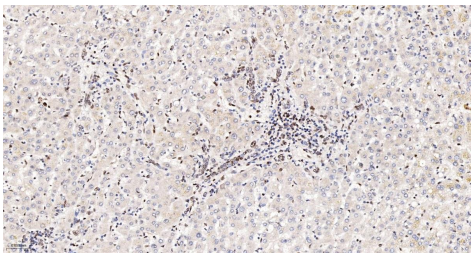


Figure 4. Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with macro H2A.1 Monoclonal Antibody, Unconjugated (SLA1707M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

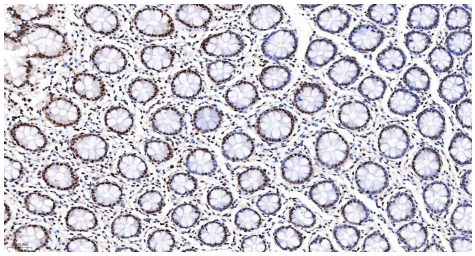


Figure 5. Paraformaldehyde-fixed, paraffin embedded Human Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with macro H2A.1 Monoclonal Antibody, Unconjugated (SLA1707M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

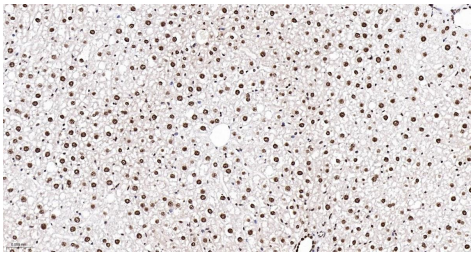


Figure 6. Paraformaldehyde-fixed, paraffin embedded Mouse Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with macro H2A.1 Monoclonal Antibody, Unconjugated (SLA1707M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

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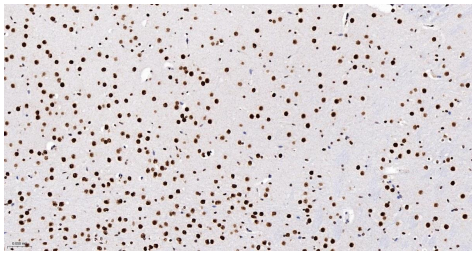


Figure 7. Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with macro H2A.1 Monoclonal Antibody, Unconjugated (SLA1707M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

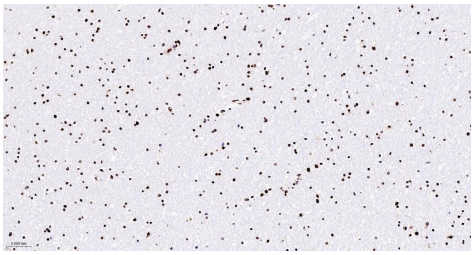


Figure 8. Paraformaldehyde-fixed, paraffin embedded Human Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with macro H2A.1 Monoclonal Antibody, Unconjugated (SLA1707M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

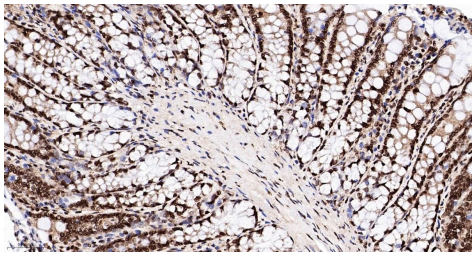


Figure 9. Paraformaldehyde-fixed, paraffin embedded Rat Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with macro H2A.1 Monoclonal Antibody, Unconjugated (SLA1707M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

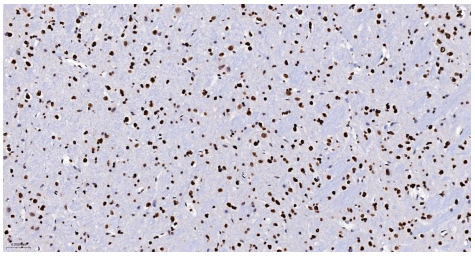


Figure 10. Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with macro H2A.1 Monoclonal Antibody, Unconjugated (SLA1707M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

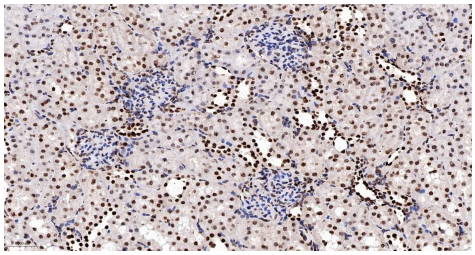


Figure 11. Paraformaldehyde-fixed, paraffin embedded Rat Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with macro H2A.1 Monoclonal Antibody, Unconjugated (SLA1707M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

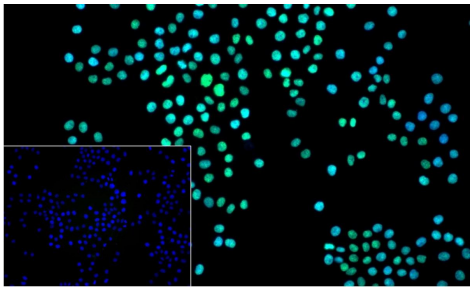


Figure 12. 4% Paraformaldehyde-fixed Hela (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (macro H2A.1) monoclonal Antibody, unconjugated (SLA1707M) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, SL60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.
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