

**Anti-H2AFY antibody (200-300) [S6MR] (STJ11102416)**
**GENERAL INFORMATION**

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

**PRODUCT PROPERTIES**

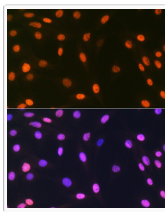
Clonality	Monoclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:2000 IHC-P:1:50-1:200 IF/CC:1:50-1:200 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 0.05% BSA, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 39kDa Observed Mw: 41kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

**TARGET INFORMATION**

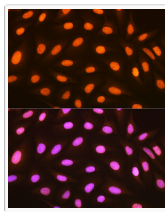
Gene ID	<a href="#">9555</a>
Gene Symbol	<a href="#">MACROH2A1</a>
UniProt ID	<a href="#">H2AY_HUMAN</a>
Immunogen Region	200-300
Immunogen Sequence	IHSEISNLGFEVEAIINPT NADIDLKDDLGNLEKKGKGFVEAVLELRKKNKPLEVAG AAVSAGHGLPAKFVIHCNSP VWGADKCEELLEKTVKNCLA L
Specificity	A synthetic peptide corresponding to a sequence within amino acids 200-300 of human macroH2A.1 (O75367).

**ADDITIONAL INFORMATION**

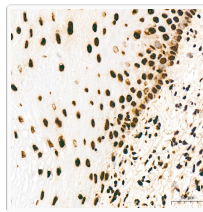
Note	STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.
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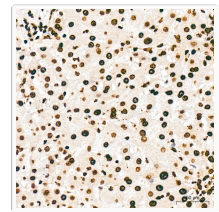
Western blot analysis of various lysates using macroH2A. 1 Rabbit mAb (STJ11102416) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.



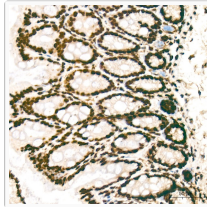
Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using macroH2A. 1 Rabbit mAb (STJ11102416) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to immunohistochemistry staining.



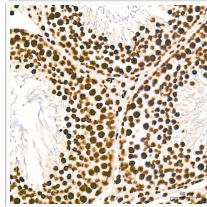
Immunohistochemistry analysis of paraffin-embedded Human liver tissue using macroH2A. 1 Rabbit mAb (STJ11102416) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to immunohistochemistry staining.



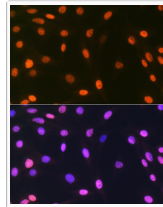
Immunohistochemistry analysis of paraffin-embedded Rat testis tissue using macroH2A. 1 Rabbit mAb (STJ11102416) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to immunohistochemistry staining.



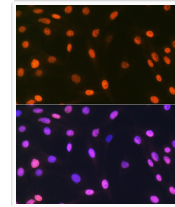
Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using macroH2A. 1 Rabbit mAb (STJ11102416) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to immunohistochemistry staining.



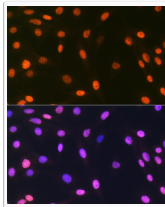
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using macroH2A. 1 Rabbit mAb (STJ11102416) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to immunohistochemistry staining.



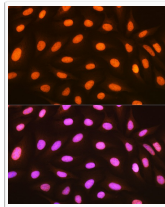
Western blot analysis of various lysates using macroH2A. 1 Rabbit mAb (STJ11102416) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.



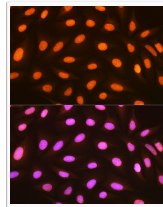
Immunohistochemistry analysis of macroH2A. 1 in paraffin-embedded human breast cancer tissue using macroH2A. 1 Rabbit mAb (STJ11102416) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to immunohistochemistry staining.



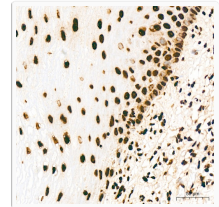
Immunofluorescence analysis of C6 cells using macroH2A. 1 Rabbit mAb (STJ11102416) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (STJS001166) at 1:500 dilution. Blue: DAPI for nuclear staining.



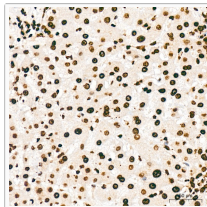
Immunohistochemistry analysis of macroH2A. 1 in paraffin-embedded human colon tissue using macroH2A. 1 Rabbit mAb (STJ11102416) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to immunohistochemistry staining.



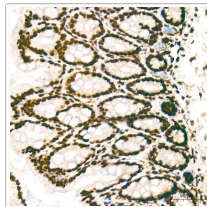
Immunofluorescence analysis of U-2 OS cells using macroH2A. 1 Rabbit mAb (STJ11102416) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (STJS001166) at 1:500 dilution. Blue: DAPI for nuclear staining.



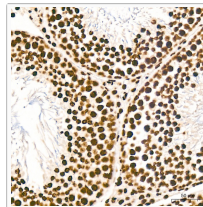
Immunohistochemistry analysis of macroH2A. 1 in paraffin-embedded human esophagus tissue using macroH2A. 1 Rabbit mAb (STJ11102416) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to immunohistochemistry staining.



Immunohistochemistry analysis of macroH2A. 1 in paraffin-embedded human liver tissue using macroH2A. 1 Rabbit mAb (STJ11102416) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to immunohistochemistry staining.



Immunohistochemistry analysis of macroH2A. 1 in paraffin-embedded mouse colon tissue using macroH2A. 1 Rabbit mAb (STJ11102416) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to immunohistochemistry staining.



Immunohistochemistry analysis of macroH2A. 1 in paraffin-embedded rat testis tissue using macroH2A. 1 Rabbit mAb (STJ11102416) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to immunohistochemistry staining.