

Anti-Histone H2A antibody (50-143) (STJ113097)

GENERAL INFORMATION

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

PRODUCT PROPERTIES

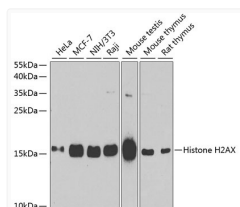
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IHC-P:1:100-1:200 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.09% Sodium Azide, 50% Glycerol, pH7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 15kDa Observed Mw: 16kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

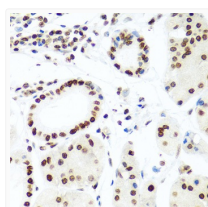
Gene ID	3014
Gene Symbol	H2AX
UniProt ID	H2AX_HUMAN
Immunogen Region	50-143
Immunogen Sequence	VYLAAVLEYLTAEILELAGN AARDNKKTRIIPRHLQLAIR NDEELNKLGGVTIAQGGVL PNIQAVLLPKKTSATVGPKA PSGGKKATQASQEY
Specificity	A synthetic peptide corresponding to a sequence within amino acids 50-143 of human Histone H2AX (NP_002096.1).

ADDITIONAL INFORMATION

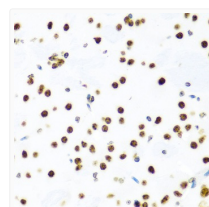
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



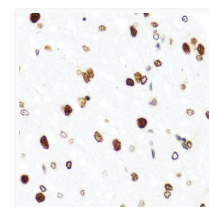
Western blot analysis of various lysates using Histone H2AX Rabbit pAb (STJ113097) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution.
Lysates/proteins: 25 Mu g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit
Exposure time: 90s.



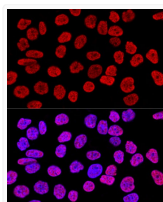
Immunohistochemistry analysis of paraffin-embedded Human stomach using Histone H2AX Rabbit pAb (STJ113097) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to immunohistochemistry staining.



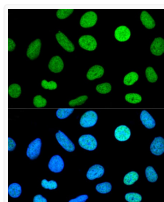
Immunohistochemistry analysis of paraffin-embedded Mouse brain using Histone H2AX Rabbit pAb (STJ113097) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to immunohistochemistry staining.



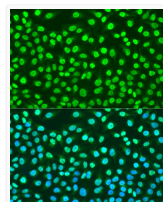
Immunohistochemistry analysis of paraffin-embedded Rat brain using Histone H2AX Rabbit pAb (STJ113097) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to immunohistochemistry staining.



Confocal immunofluorescence analysis of HeLa cells using Histone H2AX Rabbit pAb (STJ113097) at dilution of 1:400. Blue: DAPI for nuclear staining.



Confocal immunofluorescence analysis of U-2 OS cells using Histone H2AX Rabbit pAb (STJ113097) at dilution of 1:400. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using Histone H2AX Rabbit pAb (STJ113097) at dilution of 100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (STJS001166) at 1:500 dilution. Blue: DAPI for nuclear staining.