

Anti-Histone H2A antibody (1-143) (STJ29383)

GENERAL INFORMATION

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

PRODUCT PROPERTIES

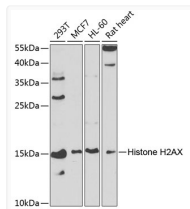
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IHC-P:1:50-1:100 IF/ICC:1:50-1:100 ELISA:Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.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

TARGET INFORMATION

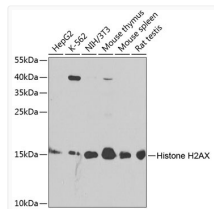
Gene ID	3014
Gene Symbol	H2AX
UniProt ID	H2AX_HUMAN
Immunogen Region	1-143
Immunogen Sequence	MSGRGKTGGKARAKAKSRSS RAGLQFPVGRVHLLRKGHY AERVGAGAPVYLAADVLEYLT AEILELAGNAARDNKKTRII PRHLQLAIRNDEELNKLGG VTIAQGGVLPNIQAVLLPKK TSATVGPKAPSGGK
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 1-143 of human Histone H2AX (NP_002096.1).

ADDITIONAL INFORMATION

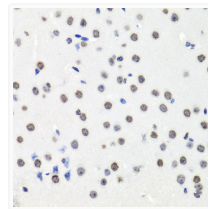
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



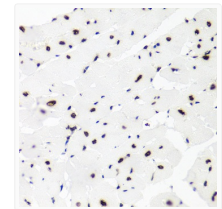
Western blot analysis of extracts of various cell lines, using Histone H2AX antibody (STJ29383) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.



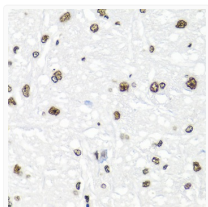
Immunohistochemistry analysis of paraffin-embedded mouse brain using Histone H2AX antibody (STJ29383) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with immunohistochemistry staining protocol.



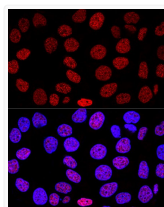
Immunohistochemistry analysis of paraffin-embedded rat heart using Histone H2AX antibody (STJ29383) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat brain using Histone H2AX antibody (STJ29383) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with immunohistochemistry staining protocol.



Confocal immunofluorescence analysis of HeLa cells using Histone H2AX Polyclonal Antibody (STJ29383) at dilution of 1:200. Blue: DAPI for nuclear staining.



Confocal immunofluorescence analysis of HeLa cells using Histone H2AX Polyclonal Antibody (STJ29383) at dilution of 1:200. Blue: DAPI for nuclear staining.