

Anti-Phospho-Histone H2A-S139 antibody [S1MR] (STJ11102561)

STJ11102561

GENERAL INFORMATION

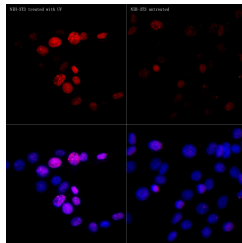
Product Type	Primary antibodies
Short Description	
Applications	WB/IHC-P/IF/ICC/ELISA
Host/Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

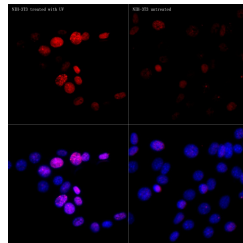
Clonality	Monoclonal
Clone ID	S1MR
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IHC-P:1:500-1:2000 IF/ICC:1:2000-1:8000 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 0.05% BSA, 50% Glycerol, pH 7.3.
Isotype	IgG
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

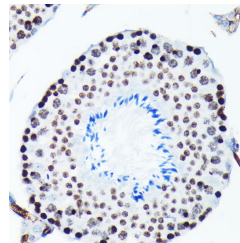
Gene ID	3014
Gene Symbol	H2AX
Uniprot ID	H2AX_HUMAN
Immunogen	TQASQ
Immunogen Region	
Specificity	A synthetic phosphorylated peptide around S139 of human Histone H2A.X (P16104).
Immunogen Sequence	TQASQ



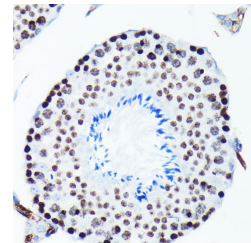
Western blot analysis of extracts of NIH/3T3 cells, using Phospho-Histone H2AX-S139 antibody (STJ11102561) at 1:1000 dilution. NIH/3T3 cells were treated by UV at room temperature for 15-30 minutes. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit. Exposure time: 1s.



Immunofluorescence analysis of NIH/3T3 (treated with UV, 30 mJ/cm²) and NIH/3T3 (untreated) using Phospho-Histone H2AX-S139 Rabbit monoclonal antibody (STJ11102561) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Western blot analysis of extracts of 293T cells, using Phospho-Histone H2AX-S139 antibody (STJ11102561) at 1:1000 dilution. 293T cells were treated by UV at room temperature for 15-30 minutes. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded mouse testis using Phospho-Histone H2AX-S139 antibody (STJ11102561) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with immunohistochemistry staining protocol.

This product is suitable for in-vitro studies under the RESEARCH USE ONLY [RUO] licence. This product must not be used as for diagnostic or other medical purposes.
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